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2004 MICHIGAN SPRING TURKEY HUNTER SURVEY

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ABSTRACT

A survey of turkey hunters was conducted following the 2004 spring hunting season to determine turkey harvest and hunter participation. In 2004, nearly 92,000 hunters harvested about 37,500 turkeys. Statewide, 41% of hunters harvested a turkey. The 2004 turkey harvest was 12% higher than the 2003 harvest and was the largest harvest in Michigan's history. The number of people hunting turkeys increased by 4%, and hunting effort increased by 5% between 2003 and 2004. Nearly 65% of the hunters rated their hunting experience as excellent, very good, or good. About 88% of the hunters reported that they experienced no or only minor interference from other hunters.

INTRODUCTION

Michigan's spring turkey (*Meleagris gallopavo*) hunting season was based on an area and quota system. This system was set up primarily to distribute hunters across geographic areas (management units) and time (hunt periods). The goal of this system has been to provide hunting opportunities while maintaining acceptable levels of hunter satisfaction (Luukkonen 1998).

In 2004, 78% of the state (44,540 square miles) was open for wild turkey hunting from April 19 through May 31 (Figure 1). The area open for turkey hunting was the same as in 2003. The hunting area was divided into 33 management units (Figure 1). Hunting licenses were available for three types of hunts on these management units: (1) licenses for quota hunts on a specific management unit, (2) licenses for a quota hunt on private lands in southern Michigan (Hunt 301), and (3) licenses for an unlimited quota hunt that included all units (Hunt 234).



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A licensed hunter was allowed to take one bearded turkey. The Wildlife Division used a lottery system (random selection process) to distribute hunting licenses among applicants. Each applicant in the lottery could select up to two hunt choices (any combination of quota and unlimited quota hunts). The lottery consisted of two drawings. The first drawing was used to select applicants based on their preferred hunt choice. The second drawing was among applicants who were not successful in the first drawing, and was based on the hunter's second choice for a hunt. Applicants unsuccessful in the two drawings could purchase an unclaimed license on a first-come, first-served basis, or choose to purchase a license for the unlimited quota hunt period (Hunt 234).

A limited number of licenses were available for quota hunts, and they were valid only in a certain management unit and only during a limited time period (7-22 days). Most quota hunts began before May 5 and lasted for 7 days. A private land management unit (Unit ZZ) was created in 2002 that included all private lands in southern Michigan (Figure 1). Hunters who selected Hunt 301 could hunt the first two weeks of the season (April 19-May 2) anywhere on private lands in Unit ZZ. This unit and hunt period was created to provide additional hunting opportunity and increased flexibility for hunters who had difficulty finding time to hunt during shorter quota hunts.

Licenses for Hunt 234 could be used in any management unit except on public lands in the southern Michigan Unit ZZ (Figure 1). Hunt 234 started later than most quota hunts but lasted for 27 days (May 3-31). An unlimited number of licenses were available for Hunt 234. Hunters could purchase a hunting license for Hunt 234 during the application period (January 1-February 1) and forego the drawing for this license (i.e., lottery). Alternatively, hunters could apply for and obtain a license for Hunt 234 through the lottery process.

The Wildlife Division has the authority and responsibility to protect and manage the wildlife resources of the State of Michigan. Harvest surveys are one of the management tools used by the Wildlife Division to accomplish its statutory responsibility. Estimating harvest, hunting effort, and hunter satisfaction are the primary objectives of this survey.

METHODS

The Wildlife Division provided hunters the option to voluntarily report information about their turkey hunting activity via the Internet. This option was advertised in the hunting regulation booklet and through a statewide news release. Hunters could report information anytime during the hunting season. Hunters reported whether they hunted, the days spent afield, whether they harvested a turkey, and whether other hunters caused interference during their hunt (none, minor, some irritation, or major problem). Successful hunters were also asked to report where their turkeys were taken (public or private land), date of harvest, and beard length of the harvested bird. Birds with a beard less than 6 inches were classified as juveniles (1 year old), while birds with longer beards were adults (2 years old or greater). Finally, hunters rated their overall hunting experience (excellent, very good, good, fair, or poor).

Following the 2004 spring turkey hunting season, a questionnaire was sent to 24,001 randomly selected people that had purchased a turkey hunting license (resident turkey, senior resident turkey, and nonresident turkey licenses) and had not already voluntarily reported harvest information via the Internet. Hunters receiving the questionnaire were asked to report the same information that was collected from hunters that reported voluntarily on the Internet.

Estimates were calculated using a stratified random sampling design that included 34 strata (Cochran 1977). Hunters were stratified based on the management unit where their license was valid (31 management units). Hunters who purchased a license that could be used in multiple management units (hunts 234 and 301) were treated as separate strata. Moreover, people that had voluntarily reported information about their hunting activity via the Internet were treated as a separate stratum. A 95% confidence limit (CL) was calculated for each estimate. This confidence limit could be added and subtracted from the estimate to calculate the 95% confidence interval. The confidence interval was a measure of the precision associated with the estimate and implies that the true value would be within this interval 95 times out of 100. Estimates were based on information collected from random samples of hunting license buyers. Thus, these estimates were subject to sampling errors (Cochran 1977). Estimates were not adjusted for possible response or nonresponse biases.

Questionnaires were mailed initially during mid-June 2004, and a reminder note and two follow-up questionnaires were mailed to nonrespondents. Although 24,001 people were sent the questionnaire, 231 surveys were undeliverable resulting in an adjusted sample size of 23,770. Questionnaires were returned by 17,911 people, yielding a 75% adjusted response rate. In addition, 4,147 people voluntarily reported information about their hunting activity via the Internet.

RESULTS AND DISCUSSION

In 2004, 138,740 people applied for the quota hunts or purchased a license for Hunt 234 during the January 1-February 1 application period. Licenses were purchased by 110,617 people, an increase of 3% from 2003. Most of the people buying a license were men (93%), and the average age of the license buyers was 43 years (Figure 2). Nearly 8% (8,591) of the license buyers were younger than 17 years old.

About 83% ($\pm 1\%$) of these license buyers hunted turkeys (92,005 hunters). Most of these hunters were men ($86,197 \pm 665$), although nearly 5% ($\pm 1\%$) of the hunters were women ($5,808 \pm 370$). Hunter numbers increased by 4% from 2003 (Tables 1 and 2). Counties listed in descending order with more than 2,000 hunters afield included Allegan, Newaygo, Kent, Montcalm, Tuscola, Barry, Alcona, Lapeer, Mecosta, Jackson, and Sanilac (Table 2).

Hunters spent an estimated 419,920 days afield pursuing turkeys (4.6 ± 0.1 days/hunter), an increase of 5% from 2003, and harvested approximately 37,522 birds (Figure 3). Counties listed in descending order with hunters taking more than 1,000 turkeys included Montcalm, Allegan, Kent, Newaygo, Tuscola, Barry, and Mecosta

(Table 2). Hunter success was 41% in 2004, compared to 38% hunter success in 2003. The number of turkeys harvested in 2004 was the largest harvest in Michigan's history.

About 30% ($\pm 1\%$) of the harvested birds were juvenile males ($11,297 \pm 503$); 68% ($\pm 1\%$) were adult males ($25,637 \pm 662$), and about 1% were bearded females (399 ± 88). Additionally, the age of a small number of harvested birds ($<1\%$) was unknown (189 ± 85) because hunters failed to report a beard length.

Hunting effort and the number of turkeys harvested were generally highest during the earliest hunting periods (Figures 4-7). For turkeys that the harvest date was known, 39% of these birds were taken during the first seven days (April 19-25). Daily hunter success generally was more than 8% during April and during the first few days of May. Daily hunter success was about 5-7% for the remainder of May. Hunting effort and harvest generally was greater on the weekends than weekdays, especially on Saturdays.

About 78% of turkey hunters hunted solely on private land; 16% hunted on public land only; and 6% hunted on both private and public lands (Table 3). Of the 37,522 turkeys harvested in 2004, $89 \pm 1\%$ of these birds were taken on private land ($33,266 \pm 725$ birds). About $11 \pm 1\%$ of the harvest ($4,214 \pm 318$ birds) were taken on public land.

Hunter satisfaction is one measure used to assess the turkey management program in Michigan. Of the estimated 92,005 people hunting turkeys in 2004, $65 \pm 1\%$ of the hunters rated their hunting experience as either excellent ($17,490 \pm 574$ hunters), very good ($18,675 \pm 598$), or good ($23,862 \pm 667$) (Table 4). Nearly $19 \pm 1\%$ of the hunters rated their experience as fair ($17,310 \pm 599$ hunters). Only $14 \pm 1\%$ of the hunters rated their experience as poor ($12,841 \pm 535$ hunters). About 2% of the hunters ($1,827 \pm 214$ hunters) failed to rate their hunting experience.

Hunter satisfaction is affected by many factors such as hunting success and whether hunting activities were completed without interference. In 2004, $67 \pm 1\%$ of the hunters reported no hunter interference; $22 \pm 1\%$ reported minor interference; $8 \pm 1\%$ reported some irritation caused by hunter interference; and $2 \pm 1\%$ reported that hunter interference was a major problem (Table 5).

Although interference can affect hunter satisfaction, hunter satisfaction was more closely associated with hunter success (Figures 8 and 9). Hunter success increased from 38 to 41% between 2003 and 2004, and hunter satisfaction also increased slightly from 61 to 65%. Hunter success was high in all hunt periods, although hunters pursuing turkeys during the earliest hunt period were more successful and more satisfied than people hunting during later periods (Table 6).

Compared to 2003, only southern Michigan experienced a notable increase in the number of people hunting turkey, while all regions had increased hunting effort and harvest in 2004 (Table 7). Hunter success and hunter satisfaction improved in all regions between 2003 and 2004 (Table 8).

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Table 1. Number of hunters, harvest, and hunting efforts during the spring 2004 Michigan turkey hunting season.

| Manage- ment unit | Licenses available (quota) | Number of applicants ^a | Number of applicants successful | | Hunters | | Hunting efforts (days) | | Harvest | | Hunter success | |
|--------------------------|----------------------------------|--------------------------------------|---------------------------------------|-------------------------------------|---------|-----------|---------------------------|-----------|---------|-----------|-------------------|-----------|
| | | | in drawing ^b | Number of licensees ^c | Total | 95% CL | Total | 95% CL | Total | 95% CL | % | 95% CL |
| Hunt periods with quotas | | | | | | | | | | | | |
| A | 2,500 | 2,278 | 2,343 | 1,797 | 1,662 | 57 | 6,120 | 569 | 684 | 102 | 41 | 6 |
| AA | 1,400 | 1,265 | 1,185 | 917 | 839 | 32 | 3,107 | 247 | 140 | 41 | 17 | 5 |
| B | 4,000 | 2,541 | 2,661 | 2,065 | 1,878 | 73 | 6,771 | 546 | 560 | 111 | 30 | 6 |
| E | 1,700 | 4,131 | 1,695 | 1,300 | 1,177 | 47 | 3,793 | 296 | 478 | 75 | 41 | 6 |
| F | 1,600 | 2,362 | 1,595 | 1,186 | 1,102 | 37 | 3,717 | 263 | 354 | 63 | 32 | 6 |
| H | 1,500 | 2,756 | 1,496 | 1,160 | 1,055 | 39 | 3,678 | 271 | 274 | 55 | 26 | 5 |
| J | 4,000 | 4,207 | 3,989 | 2,941 | 2,616 | 109 | 9,344 | 775 | 985 | 161 | 38 | 6 |
| K | 8,500 | 18,261 | 8,490 | 6,661 | 6,203 | 198 | 21,314 | 1,848 | 2,676 | 373 | 43 | 6 |
| L | 1,000 | 1,601 | 945 | 780 | 723 | 25 | 3,171 | 314 | 259 | 44 | 36 | 6 |
| M | 1,850 | 902 | 904 | 676 | 609 | 26 | 2,203 | 184 | 237 | 40 | 39 | 6 |
| MA | 700 | 323 | 324 | 233 | 203 | 10 | 795 | 74 | 86 | 14 | 42 | 7 |
| N | 2,200 | 1,343 | 1,353 | 1,090 | 985 | 38 | 3,494 | 273 | 475 | 62 | 48 | 6 |
| O | 2,650 | 1,447 | 1,439 | 1,042 | 887 | 47 | 3,223 | 305 | 384 | 62 | 43 | 7 |
| P | 320 | 556 | 297 | 225 | 199 | 10 | 949 | 126 | 95 | 14 | 48 | 7 |
| PB | 160 | 341 | 150 | 112 | 95 | 5 | 350 | 38 | 40 | 7 | 42 | 7 |
| Q | 1,200 | 2,006 | 1,077 | 869 | 726 | 42 | 3,000 | 345 | 163 | 43 | 22 | 6 |
| QB | 500 | 595 | 399 | 324 | 262 | 17 | 1,010 | 131 | 82 | 18 | 31 | 7 |
| QD | 40 | 98 | 41 | 26 | 22 | 2 | 97 | 20 | 4 | 2 | 18 | 9 |
| R | 400 | 935 | 386 | 267 | 240 | 11 | 977 | 115 | 105 | 17 | 44 | 7 |
| RA | 40 | 264 | 40 | 27 | 21 | 3 | 84 | 25 | 6 | 3 | 31 | 16 |

^aNumber of eligible applicants selecting the management unit as their first choice to hunt.

^bNumber of successful applicants was sometimes larger than quota because of system processing errors.

^cIf a licensee purchased more than one license, only the latest purchase is included in the summary of licenses purchased.

Table 1 (continued). Number of hunters, harvest, and hunting efforts during the spring 2004 Michigan turkey hunting season.

| Management unit | Licenses available (quota) | Number of applicants ^a | Number of applicants successful | | Hunters | | Hunting efforts (days) | | Harvest | | Hunter success | | |
|---|----------------------------|-----------------------------------|---------------------------------|----------------------------------|---------|--------|------------------------|--------|---------|--------|----------------|--------|--|
| | | | in drawing ^b | Number of licensees ^c | Total | 95% CL | Total | 95% CL | Total | 95% CL | % | 95% CL | |
| | | | | | | | | | | | | | |
| Hunt periods with quotas | | | | | | | | | | | | | |
| S | 160 | 961 | 158 | 98 | 84 | 5 | 287 | 32 | 24 | 6 | 28 | 7 | |
| T | 1,700 | 2,907 | 1,506 | 1,288 | 1,137 | 49 | 4,392 | 449 | 306 | 63 | 27 | 5 | |
| U | 1,200 | 1,637 | 981 | 881 | 772 | 37 | 3,091 | 368 | 310 | 52 | 40 | 6 | |
| UA | 1,100 | 1,754 | 812 | 718 | 654 | 27 | 2,722 | 315 | 263 | 45 | 40 | 7 | |
| UB | 200 | 309 | 150 | 124 | 106 | 5 | 382 | 37 | 37 | 7 | 35 | 6 | |
| V | 1,600 | 3,731 | 1,601 | 1,188 | 1,079 | 42 | 3,607 | 276 | 238 | 56 | 22 | 5 | |
| W | 800 | 1,253 | 800 | 583 | 492 | 27 | 1,546 | 150 | 175 | 33 | 35 | 7 | |
| X | 1,600 | 2,767 | 1,516 | 1,189 | 1,047 | 47 | 4,141 | 418 | 376 | 65 | 36 | 6 | |
| Y | 1,000 | 1,203 | 867 | 756 | 707 | 24 | 2,937 | 306 | 243 | 45 | 34 | 6 | |
| Z | 500 | 957 | 442 | 337 | 296 | 15 | 1,244 | 152 | 121 | 22 | 41 | 7 | |
| ZA | 600 | 1,065 | 565 | 482 | 452 | 15 | 1,811 | 250 | 170 | 28 | 38 | 6 | |
| Subtotal | 46,720 | 66,756 | 40,207 | 31,342 | 28,330 | 288 | 103,357 | 2,509 | 10,348 | 487 | 37 | 2 | |
| Hunt period 301 with quota (Management Unit ZZ; April 19-May 2, 2004) | | | | | | | | | | | | | |
| L | NA | NA | NA | NA | 1,626 | 130 | 6,978 | 705 | 829 | 93 | 51 | 4 | |
| P | NA | NA | NA | NA | 612 | 82 | 2,812 | 478 | 283 | 55 | 46 | 7 | |
| PB | NA | NA | NA | NA | 1,042 | 105 | 4,468 | 556 | 561 | 77 | 54 | 5 | |
| Q | NA | NA | NA | NA | 1,718 | 132 | 6,913 | 669 | 746 | 88 | 43 | 4 | |
| QB | NA | NA | NA | NA | 322 | 59 | 1,262 | 287 | 110 | 34 | 34 | 9 | |
| QD | NA | NA | NA | NA | 69 | 28 | 247 | 147 | 28 | 18 | 41 | 20 | |
| R | NA | NA | NA | NA | 1,283 | 116 | 5,332 | 593 | 616 | 80 | 48 | 5 | |

^aNumber of eligible applicants selecting the management unit as their first choice to hunt.

^bNumber of successful applicants was sometimes larger than quota because of system processing errors.

^cIf a licensee purchased more than one license, only the latest purchase is included in the summary of licenses purchased.

Table 1 (continued). Number of hunters, harvest, and hunting efforts during the spring 2004 Michigan turkey hunting season.

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|---|----------------------------|-----------------------------------|---------------------------------|----------------------------------|---------|--------|------------------------|--------|---------|--------|----------------|--------|
| Management unit | Licenses available (quota) | Number of applicants ^a | Number of applicants successful | | Hunters | | Hunting efforts (days) | | Harvest | | Hunter success | |
| | | | in drawing ^b | Number of licensees ^c | Total | 95% CL | Total | 95% CL | Total | 95% CL | % | 95% CL |
| Hunt period 301 with quota (Management Unit ZZ; April 19-May 2, 2004) | | | | | | | | | | | | |
| RA | NA | NA | NA | NA | 963 | 101 | 3,995 | 536 | 439 | 68 | 46 | 5 |
| S | NA | NA | NA | NA | 2,766 | 166 | 11,623 | 881 | 1,367 | 119 | 49 | 3 |
| T | NA | NA | NA | NA | 2,689 | 164 | 10,940 | 838 | 1,248 | 114 | 46 | 3 |
| U | NA | NA | NA | NA | 1,273 | 116 | 4,161 | 483 | 657 | 84 | 52 | 5 |
| UA | NA | NA | NA | NA | 721 | 88 | 2,941 | 450 | 378 | 64 | 52 | 6 |
| UB | NA | NA | NA | NA | 787 | 92 | 3,195 | 456 | 363 | 62 | 46 | 6 |
| W | NA | NA | NA | NA | 1,434 | 122 | 5,326 | 565 | 728 | 87 | 51 | 4 |
| X | NA | NA | NA | NA | 1,832 | 137 | 7,008 | 671 | 814 | 92 | 44 | 4 |
| Y | NA | NA | NA | NA | 1,135 | 109 | 4,168 | 503 | 574 | 78 | 51 | 5 |
| Z | NA | NA | NA | NA | 1,745 | 132 | 6,719 | 656 | 842 | 93 | 48 | 4 |
| ZA | NA | NA | NA | NA | 1,133 | 109 | 4,411 | 528 | 664 | 84 | 59 | 5 |
| Unknown | NA | NA | NA | NA | 1,134 | 112 | 5,771 | 747 | 406 | 65 | 32 | 5 |
| Subtotal | 65,000 | 27,886 | 29,374 | 25,517 | 23,272 | 153 | 98,271 | 1,749 | 11,652 | 264 | 50 | 1 |
| Unlimited quota hunt period (Hunt 234; May 3-31, 2004) | | | | | | | | | | | | |
| A | NA | NA | NA | NA | 393 | 97 | 1,785 | 552 | 110 | 51 | 28 | 11 |
| AA | NA | NA | NA | NA | 404 | 98 | 1,698 | 493 | 77 | 43 | 19 | 10 |
| B | NA | NA | NA | NA | 410 | 99 | 1,977 | 656 | 72 | 41 | 18 | 9 |
| E | NA | NA | NA | NA | 2,315 | 232 | 10,098 | 1,379 | 756 | 134 | 33 | 5 |
| F | NA | NA | NA | NA | 692 | 128 | 2,989 | 758 | 193 | 67 | 28 | 8 |
| H | NA | NA | NA | NA | 1,234 | 170 | 5,891 | 1,013 | 212 | 69 | 17 | 5 |

^aNumber of eligible applicants selecting the management unit as their first choice to hunt.^bNumber of successful applicants was sometimes larger than quota because of system processing errors.^cIf a licensee purchased more than one license, only the latest purchase is included in the summary of licenses purchased.

Table 1 (continued). Number of hunters, harvest, and hunting efforts during the spring 2004 Michigan turkey hunting season.

| Manage- ment unit | Licenses available (quota) | Number of applicants ^a | Number of applicants successful | | Hunters | | Hunting efforts (days) | | Harvest | | Hunter success | |
|--|----------------------------------|--------------------------------------|---------------------------------------|-------------------------------------|---------|-----------|---------------------------|-----------|---------|-----------|-------------------|-----------|
| | | | in drawing ^b | Number of licensees ^c | Total | 95% CL | Total | 95% CL | Total | 95% CL | % | 95% CL |
| Unlimited quota hunt period (Hunt 234; May 3-31, 2004) | | | | | | | | | | | | |
| J | NA | NA | NA | NA | 1,712 | 198 | 7,922 | 1,238 | 558 | 113 | 33 | 5 |
| K | NA | NA | NA | NA | 8,789 | 422 | 44,008 | 2,953 | 3,182 | 267 | 36 | 3 |
| L | NA | NA | NA | NA | 1,955 | 213 | 10,443 | 1,494 | 858 | 142 | 44 | 6 |
| M | NA | NA | NA | NA | 229 | 73 | 911 | 372 | 58 | 36 | 25 | 14 |
| MA | NA | NA | NA | NA | 138 | 58 | 577 | 286 | 32 | 27 | 23 | 17 |
| N | NA | NA | NA | NA | 436 | 101 | 1,703 | 452 | 166 | 61 | 38 | 11 |
| O | NA | NA | NA | NA | 455 | 104 | 2,102 | 619 | 191 | 68 | 42 | 11 |
| P | NA | NA | NA | NA | 727 | 132 | 3,905 | 961 | 279 | 82 | 38 | 9 |
| PB | NA | NA | NA | NA | 608 | 120 | 3,034 | 826 | 267 | 79 | 44 | 10 |
| Q | NA | NA | NA | NA | 1,486 | 188 | 7,483 | 1,291 | 555 | 115 | 37 | 6 |
| QB | NA | NA | NA | NA | 326 | 89 | 1,247 | 402 | 146 | 59 | 45 | 14 |
| QD | NA | NA | NA | NA | 105 | 51 | 560 | 369 | 45 | 33 | 43 | 24 |
| R | NA | NA | NA | NA | 1,344 | 178 | 6,609 | 1,201 | 497 | 109 | 37 | 6 |
| RA | NA | NA | NA | NA | 1,092 | 161 | 6,039 | 1,205 | 469 | 105 | 43 | 7 |
| S | NA | NA | NA | NA | 2,060 | 219 | 10,465 | 1,501 | 884 | 144 | 43 | 5 |
| T | NA | NA | NA | NA | 2,373 | 235 | 12,126 | 1,615 | 838 | 141 | 35 | 5 |
| U | NA | NA | NA | NA | 1,555 | 191 | 8,037 | 1,366 | 685 | 126 | 44 | 6 |
| UA | NA | NA | NA | NA | 1,376 | 180 | 6,771 | 1,221 | 566 | 116 | 41 | 7 |
| UB | NA | NA | NA | NA | 712 | 131 | 3,279 | 827 | 277 | 82 | 39 | 9 |
| V | NA | NA | NA | NA | 1,599 | 194 | 8,481 | 1,378 | 333 | 88 | 21 | 5 |

^aNumber of eligible applicants selecting the management unit as their first choice to hunt.

^bNumber of successful applicants was sometimes larger than quota because of system processing errors.

^cIf a licensee purchased more than one license, only the latest purchase is included in the summary of licenses purchased.

Table 1 (continued). Number of hunters, harvest, and hunting efforts during the spring 2004 Michigan turkey hunting season.

| Manage- ment unit | Licenses available (quota) | Number of applicants ^a | Number of applicants successful in drawing ^b | Number of licensees ^c | Hunters | | Hunting efforts (days) | | Harvest | | Hunter success | | |
|--|----------------------------------|--------------------------------------|---|-------------------------------------|---------|-----------|---------------------------|-----------|---------|-----------|-------------------|-----------|--|
| | | | | | Total | 95% CL | Total | 95% CL | Total | 95% CL | % | 95% CL | |
| Unlimited quota hunt period (Hunt 234; May 3-31, 2004) | | | | | | | | | | | | | |
| W | NA | NA | NA | NA | 1,537 | 190 | 7,588 | 1,261 | 619 | 121 | 40 | 6 | |
| X | NA | NA | NA | NA | 1,430 | 183 | 7,065 | 1,222 | 555 | 114 | 39 | 6 | |
| Y | NA | NA | NA | NA | 1,265 | 173 | 6,740 | 1,282 | 502 | 109 | 40 | 7 | |
| Z | NA | NA | NA | NA | 1,854 | 207 | 9,843 | 1,498 | 684 | 126 | 37 | 5 | |
| ZA | NA | NA | NA | NA | 1,275 | 174 | 6,908 | 1,217 | 474 | 106 | 37 | 7 | |
| Unknown | NA | NA | NA | NA | 1,651 | 199 | 10,011 | 1,576 | 382 | 89 | 18 | 5 | |
| Subtotal | NA | 2,129 | 4,479 | 53,758 ^e | 40,404 | 496 | 218,292 | 5,397 | 15,522 | 514 | 38 | 1 | |
| Statewide ^d | 111,720 | 96,771 | 74,060 | 110,617 ^e | 92,005 | 594 | 419,920 | 6,203 | 37,522 | 756 | 41 | 1 | |

^aNumber of eligible applicants selecting the management unit as their first choice to hunt.

^bNumber of successful applicants was sometimes larger than quota because of system processing errors.

^cIf a licensee purchased more than one license, only the latest purchase is included in the summary of licenses purchased.

^dColumn totals may not equal statewide totals because of rounding errors. Number of hunters does not add up to statewide total because hunters can hunt in more than one unit for the unlimited quota hunt.

^e41,969 hunters purchased a hunting license for Hunt 234 without going through the lottery process.

Table 2. Estimated number of hunters, hunting effort, harvest, hunter success, hunter satisfaction, and hunt interference during the 2004 Michigan spring turkey hunting season. Estimates combined quota and unlimited quota hunts in each county.

| County | Hunters ^a | | Hunting efforts (days) ^a | | Harvest ^a | | Hunter success | | Hunter satisfaction ^b | | Noninterfered hunters ^c | |
|-----------------------|----------------------|-----|-------------------------------------|-------|----------------------|-----|----------------|----|----------------------------------|----|------------------------------------|----|
| | 95% | | 95% | | 95% | | 95% | | 95% | | 95% | |
| | Total | CL | Total | CL | Total | CL | % | CL | % | CL | % | CL |
| Alcona | 2,316 | 190 | 9,014 | 1,025 | 610 | 117 | 26 | 5 | 51 | 5 | 92 | 3 |
| Alger | 47 | 29 | 142 | 100 | 7 | 9 | 15 | 19 | 30 | 26 | 73 | 29 |
| Allegan | 2,997 | 210 | 14,513 | 1,432 | 1,243 | 139 | 41 | 4 | 69 | 4 | 85 | 3 |
| Alpena | 1,374 | 157 | 5,137 | 804 | 554 | 108 | 40 | 7 | 63 | 7 | 85 | 5 |
| Antrim | 1,154 | 179 | 4,458 | 914 | 390 | 110 | 34 | 8 | 63 | 8 | 86 | 6 |
| Arenac | 680 | 121 | 2,617 | 604 | 279 | 78 | 41 | 9 | 64 | 9 | 86 | 6 |
| Baraga ^d | 0 | 0 | 0 | 0 | 0 | 0 | | 0 | | 0 | | 0 |
| Barry | 2,653 | 193 | 11,932 | 1,338 | 1,105 | 130 | 42 | 4 | 71 | 4 | 90 | 2 |
| Bay | 424 | 89 | 1,672 | 536 | 187 | 59 | 44 | 10 | 64 | 10 | 95 | 4 |
| Benzie | 573 | 180 | 2,221 | 828 | 130 | 89 | 23 | 14 | 58 | 16 | 76 | 14 |
| Berrien | 602 | 94 | 2,527 | 507 | 269 | 62 | 45 | 8 | 72 | 7 | 85 | 5 |
| Branch | 880 | 121 | 4,079 | 704 | 336 | 73 | 38 | 7 | 73 | 6 | 82 | 5 |
| Calhoun | 1,961 | 182 | 9,012 | 1,139 | 928 | 126 | 47 | 5 | 78 | 4 | 89 | 3 |
| Cass | 1,068 | 125 | 5,032 | 828 | 491 | 81 | 46 | 6 | 75 | 5 | 87 | 4 |
| Charlevoix | 692 | 143 | 2,588 | 662 | 260 | 88 | 38 | 10 | 65 | 10 | 93 | 6 |
| Cheboygan | 891 | 160 | 3,254 | 693 | 229 | 87 | 26 | 9 | 46 | 10 | 87 | 7 |
| Chippewa ^d | 0 | 0 | 0 | 0 | 0 | 0 | | 0 | | 0 | | 0 |
| Clare | 1,463 | 172 | 5,757 | 976 | 481 | 102 | 33 | 6 | 58 | 6 | 90 | 4 |
| Clinton | 1,687 | 164 | 7,684 | 1,038 | 666 | 99 | 39 | 5 | 73 | 4 | 91 | 3 |
| Crawford | 1,072 | 135 | 4,455 | 743 | 225 | 62 | 21 | 5 | 49 | 7 | 84 | 5 |
| Delta | 1,106 | 121 | 4,429 | 682 | 454 | 86 | 41 | 6 | 61 | 6 | 92 | 4 |

^aNumber of hunters does not add up to statewide total because hunters can hunt in more than one county. Column totals for hunting effort and harvest may not equal statewide totals because of rounding errors.

^bProportion of hunters that rated their hunting experience as excellent, very good, or good.

^cProportion of hunters that indicated that they experienced no or only minor interference from other hunters.

^dNot open for turkey hunting.

Table 2 (continued). Estimated number of hunters, hunting effort, harvest, hunter success, hunter satisfaction, and hunt interference during the 2004 Michigan spring turkey hunting season. Estimates combined quota and unlimited quota hunts in each county.

| County | Hunters ^a | | Hunting efforts (days) ^a | | Harvest ^a | | Hunter success | | Hunter satisfaction ^b | | Noninterfered hunters ^c | |
|-----------------------|----------------------|--------|-------------------------------------|--------|----------------------|--------|----------------|--------|----------------------------------|--------|------------------------------------|--------|
| | Total | 95% CL | Total | 95% CL | Total | 95% CL | % | 95% CL | % | 95% CL | % | 95% CL |
| Dickinson | 856 | 83 | 3,218 | 443 | 295 | 54 | 35 | 6 | 55 | 6 | 88 | 4 |
| Eaton | 1,725 | 174 | 8,741 | 1,321 | 749 | 113 | 43 | 5 | 74 | 4 | 88 | 3 |
| Emmet | 756 | 150 | 2,881 | 708 | 289 | 94 | 38 | 10 | 64 | 10 | 90 | 6 |
| Genesee | 914 | 123 | 3,409 | 556 | 398 | 81 | 43 | 7 | 73 | 6 | 91 | 4 |
| Gladwin | 1,304 | 162 | 4,981 | 819 | 444 | 95 | 34 | 6 | 56 | 6 | 90 | 4 |
| Gogebic ^d | 0 | 0 | 0 | 0 | 0 | 0 | | 0 | | 0 | | 0 |
| Gd. Traverse | 872 | 195 | 3,258 | 799 | 360 | 135 | 41 | 11 | 65 | 11 | 90 | 5 |
| Gratiot | 1,578 | 155 | 7,005 | 962 | 723 | 102 | 46 | 5 | 72 | 5 | 88 | 3 |
| Hillsdale | 1,260 | 137 | 4,914 | 746 | 511 | 85 | 41 | 5 | 69 | 5 | 83 | 4 |
| Houghton ^d | 0 | 0 | 0 | 0 | 0 | 0 | | 0 | | 0 | | 0 |
| Huron | 1,370 | 148 | 5,851 | 791 | 380 | 77 | 28 | 5 | 57 | 6 | 90 | 3 |
| Ingham | 1,509 | 162 | 5,845 | 840 | 603 | 103 | 40 | 5 | 77 | 5 | 89 | 3 |
| Ionia | 1,914 | 177 | 8,746 | 1,181 | 800 | 113 | 42 | 5 | 72 | 4 | 89 | 3 |
| Iosco | 1,354 | 136 | 4,980 | 751 | 433 | 85 | 32 | 6 | 52 | 6 | 91 | 3 |
| Iron | 353 | 61 | 1,373 | 298 | 118 | 31 | 33 | 8 | 45 | 9 | 87 | 5 |
| Isabella | 1,755 | 164 | 6,822 | 867 | 763 | 108 | 43 | 5 | 71 | 4 | 92 | 2 |
| Jackson | 2,113 | 178 | 9,486 | 1,213 | 897 | 114 | 42 | 4 | 69 | 4 | 88 | 3 |
| Kalamazoo | 1,333 | 150 | 5,503 | 777 | 581 | 96 | 44 | 6 | 72 | 5 | 83 | 4 |
| Kalkaska | 917 | 198 | 3,810 | 903 | 311 | 130 | 34 | 11 | 55 | 11 | 90 | 7 |
| Kent | 2,967 | 222 | 12,373 | 1,299 | 1,232 | 138 | 42 | 4 | 77 | 3 | 89 | 2 |
| Keweenaw ^d | 0 | 0 | 0 | 0 | 0 | 0 | | 0 | | 0 | | 0 |

^aNumber of hunters does not add up to statewide total because hunters can hunt in more than one county. Column totals for hunting effort and harvest may not equal statewide totals because of rounding errors.

^bProportion of hunters that rated their hunting experience as excellent, very good, or good.

^cProportion of hunters that indicated that they experienced no or only minor interference from other hunters.

^dNot open for turkey hunting.

Table 2 (continued). Estimated number of hunters, hunting effort, harvest, hunter success, hunter satisfaction, and hunt interference during the 2004 Michigan spring turkey hunting season. Estimates combined quota and unlimited quota hunts in each county.

| County | Hunters ^a | | Hunting efforts (days) ^a | | Harvest ^a | | Hunter success | | Hunter satisfaction ^b | | Noninterfered hunters ^c | |
|-----------------------|----------------------|--------|-------------------------------------|--------|----------------------|--------|----------------|--------|----------------------------------|--------|------------------------------------|--------|
| | Total | 95% CL | Total | 95% CL | Total | 95% CL | % | 95% CL | % | 95% CL | % | 95% CL |
| Lake | 1,954 | 307 | 7,821 | 1,418 | 375 | 136 | 19 | 6 | 59 | 8 | 91 | 4 |
| Lapeer | 2,299 | 189 | 9,701 | 1,171 | 946 | 124 | 41 | 4 | 73 | 4 | 87 | 3 |
| Leelanau | 217 | 81 | 1,207 | 567 | 84 | 43 | 39 | 17 | 86 | 11 | 99 | 1 |
| Lenawee | 636 | 98 | 2,460 | 453 | 198 | 53 | 31 | 7 | 74 | 7 | 87 | 5 |
| Livingston | 1,177 | 138 | 4,740 | 824 | 487 | 86 | 41 | 6 | 69 | 6 | 87 | 4 |
| Luce ^d | 0 | 0 | 0 | 0 | 0 | 0 | | 0 | | 0 | | 0 |
| Mackinac ^d | 0 | 0 | 0 | 0 | 0 | 0 | | 0 | | 0 | | 0 |
| Macomb | 198 | 58 | 813 | 369 | 51 | 27 | 26 | 12 | 63 | 15 | 90 | 9 |
| Manistee | 1,135 | 224 | 4,800 | 1,068 | 320 | 118 | 28 | 9 | 55 | 10 | 85 | 7 |
| Marquette | 258 | 61 | 804 | 223 | 86 | 38 | 34 | 12 | 52 | 13 | 95 | 5 |
| Mason | 1,320 | 259 | 4,985 | 1,155 | 555 | 184 | 42 | 10 | 67 | 9 | 83 | 7 |
| Mecosta | 2,129 | 307 | 7,764 | 1,273 | 1,094 | 229 | 51 | 8 | 74 | 7 | 92 | 4 |
| Menominee | 1,400 | 110 | 5,134 | 535 | 643 | 87 | 46 | 5 | 60 | 5 | 91 | 3 |
| Midland | 1,477 | 151 | 6,553 | 990 | 593 | 94 | 40 | 5 | 63 | 5 | 87 | 3 |
| Missaukee | 1,203 | 243 | 4,673 | 1,037 | 495 | 171 | 41 | 11 | 63 | 10 | 87 | 7 |
| Monroe | 185 | 56 | 838 | 386 | 78 | 38 | 42 | 15 | 70 | 14 | 78 | 12 |
| Montcalm | 2,909 | 211 | 12,605 | 1,432 | 1,346 | 145 | 46 | 4 | 71 | 4 | 89 | 2 |
| Montmorency | 1,420 | 132 | 5,455 | 651 | 295 | 76 | 21 | 5 | 43 | 6 | 87 | 4 |
| Muskegon | 1,892 | 175 | 8,568 | 1,054 | 794 | 112 | 42 | 5 | 72 | 4 | 82 | 4 |
| Newaygo | 2,992 | 329 | 12,584 | 1,673 | 1,159 | 205 | 39 | 6 | 63 | 6 | 83 | 4 |
| Oakland | 717 | 96 | 2,790 | 461 | 256 | 63 | 36 | 7 | 70 | 6 | 93 | 3 |

^aNumber of hunters does not add up to statewide total because hunters can hunt in more than one county. Column totals for hunting effort and harvest may not equal statewide totals because of rounding errors.

^bProportion of hunters that rated their hunting experience as excellent, very good, or good.

^cProportion of hunters that indicated that they experienced no or only minor interference from other hunters.

^dNot open for turkey hunting.

Table 2 (continued). Estimated number of hunters, hunting effort, harvest, hunter success, hunter satisfaction, and hunt interference during the 2004 Michigan spring turkey hunting season. Estimates combined quota and unlimited quota hunts in each county.

| County | Hunters ^a | | Hunting efforts (days) ^a | | Harvest ^a | | Hunter success | | Hunter satisfaction ^b | | Noninterfered hunters ^c | |
|--------------------------|----------------------|--------|-------------------------------------|--------|----------------------|--------|----------------|--------|----------------------------------|--------|------------------------------------|--------|
| | Total | 95% CL | Total | 95% CL | Total | 95% CL | % | 95% CL | % | 95% CL | % | 95% CL |
| Oceana | 1,346 | 225 | 6,032 | 1,267 | 492 | 131 | 37 | 8 | 68 | 8 | 87 | 6 |
| Ogemaw | 1,243 | 155 | 5,247 | 879 | 286 | 74 | 23 | 5 | 54 | 7 | 88 | 4 |
| Ontonagon ^d | 0 | 0 | 0 | 0 | 0 | 0 | | 0 | | 0 | | 0 |
| Osceola | 1,250 | 252 | 4,863 | 1,101 | 606 | 190 | 48 | 11 | 67 | 10 | 94 | 3 |
| Oscoda | 1,317 | 162 | 6,014 | 1,113 | 268 | 75 | 20 | 5 | 46 | 6 | 90 | 4 |
| Otsego | 1,085 | 175 | 3,871 | 789 | 359 | 107 | 33 | 8 | 57 | 9 | 84 | 7 |
| Ottawa | 1,484 | 152 | 6,329 | 901 | 621 | 98 | 42 | 5 | 73 | 5 | 84 | 4 |
| Presque Isle | 865 | 123 | 3,458 | 663 | 295 | 79 | 34 | 8 | 58 | 8 | 91 | 5 |
| Roscommon | 1,358 | 148 | 5,183 | 730 | 283 | 69 | 21 | 5 | 51 | 6 | 88 | 4 |
| Saginaw | 1,966 | 178 | 9,127 | 1,279 | 834 | 112 | 42 | 5 | 70 | 4 | 88 | 3 |
| St. Clair | 1,320 | 141 | 6,234 | 915 | 348 | 72 | 26 | 5 | 68 | 5 | 87 | 4 |
| St. Joseph | 794 | 111 | 3,913 | 774 | 328 | 71 | 41 | 7 | 66 | 7 | 84 | 6 |
| Sanilac | 2,008 | 184 | 8,121 | 971 | 777 | 114 | 39 | 4 | 67 | 4 | 88 | 3 |
| Schoolcraft ^d | 0 | 0 | 0 | 0 | 0 | 0 | | 0 | | 0 | | 0 |
| Shiawassee | 1,201 | 145 | 5,670 | 923 | 546 | 96 | 45 | 6 | 71 | 6 | 87 | 4 |
| Tuscola | 2,709 | 204 | 12,023 | 1,283 | 1,114 | 132 | 41 | 4 | 70 | 4 | 89 | 2 |
| Van Buren | 1,713 | 171 | 8,107 | 1,124 | 856 | 119 | 50 | 5 | 74 | 5 | 88 | 3 |
| Washtenaw | 832 | 108 | 3,344 | 621 | 275 | 63 | 33 | 6 | 63 | 7 | 80 | 6 |
| Wayne | 10 | 14 | 28 | 28 | 0 | 0 | 0 | 0 | 86 | 24 | 100 | 0 |
| Wexford | 1,457 | 252 | 6,133 | 1,278 | 370 | 117 | 25 | 7 | 50 | 9 | 88 | 5 |
| Unknown | 1,869 | 210 | 8,208 | 1,193 | 280 | 85 | 15 | 4 | 45 | 6 | 81 | 5 |

^aNumber of hunters does not add up to statewide total because hunters can hunt in more than one county. Column totals for hunting effort and harvest may not equal statewide totals because of rounding errors.

^bProportion of hunters that rated their hunting experience as excellent, very good, or good.

^cProportion of hunters that indicated that they experienced no or only minor interference from other hunters.

^dNot open for turkey hunting.

Table 3. Estimated number and proportion of hunters hunting on private and public lands during the spring 2004 Michigan turkey hunting season.

| Management unit | Private land only | | | | Public land only | | | | Both private and public lands | | | | Unknown land | | | |
|--------------------------|-------------------|--------|-----|--------|------------------|--------|----|--------|-------------------------------|--------|----|--------|--------------|--------|---|--------|
| | Total | 95% CL | % | 95% CL | Total | 95% CL | % | 95% CL | Total | 95% CL | % | 95% CL | Total | 95% CL | % | 95% CL |
| Hunt periods with quotas | | | | | | | | | | | | | | | | |
| A | 1,179 | 101 | 71 | 6 | 354 | 85 | 21 | 5 | 121 | 54 | 7 | 3 | 8 | 14 | 0 | 1 |
| AA | 326 | 56 | 39 | 6 | 361 | 57 | 43 | 7 | 133 | 41 | 16 | 5 | 20 | 17 | 2 | 2 |
| B | 1,519 | 111 | 81 | 5 | 273 | 84 | 15 | 4 | 86 | 50 | 5 | 3 | 0 | 0 | 0 | 0 |
| E | 770 | 77 | 65 | 6 | 268 | 63 | 23 | 5 | 132 | 48 | 11 | 4 | 6 | 11 | 1 | 1 |
| F | 592 | 70 | 54 | 6 | 411 | 66 | 37 | 6 | 89 | 37 | 8 | 3 | 11 | 14 | 1 | 1 |
| H | 303 | 58 | 29 | 5 | 644 | 66 | 61 | 6 | 92 | 36 | 9 | 3 | 16 | 16 | 1 | 1 |
| J | 1,367 | 171 | 52 | 6 | 960 | 160 | 37 | 6 | 265 | 99 | 10 | 4 | 24 | 32 | 1 | 1 |
| K | 3,740 | 379 | 60 | 6 | 1,636 | 326 | 26 | 5 | 802 | 248 | 13 | 4 | 25 | 48 | 0 | 1 |
| L | 246 | 44 | 34 | 6 | 394 | 47 | 54 | 6 | 79 | 29 | 11 | 4 | 4 | 7 | 1 | 1 |
| M | 335 | 42 | 55 | 7 | 194 | 38 | 32 | 6 | 68 | 26 | 11 | 4 | 12 | 11 | 2 | 2 |
| MA | 127 | 15 | 63 | 7 | 41 | 11 | 20 | 5 | 35 | 11 | 17 | 5 | 0 | 0 | 0 | 0 |
| N | 702 | 60 | 71 | 5 | 143 | 42 | 15 | 4 | 129 | 41 | 13 | 4 | 10 | 12 | 1 | 1 |
| O | 636 | 63 | 72 | 6 | 201 | 50 | 23 | 6 | 50 | 26 | 6 | 3 | 0 | 0 | 0 | 0 |
| P | 87 | 14 | 44 | 7 | 93 | 14 | 47 | 7 | 19 | 8 | 10 | 4 | 0 | 0 | 0 | 0 |
| PB | 58 | 7 | 61 | 7 | 28 | 6 | 29 | 6 | 7 | 3 | 7 | 3 | 3 | 3 | 3 | 3 |
| Q | 357 | 55 | 49 | 7 | 318 | 53 | 44 | 7 | 47 | 25 | 6 | 3 | 5 | 9 | 1 | 1 |
| QB | 71 | 18 | 27 | 6 | 171 | 21 | 65 | 7 | 17 | 10 | 7 | 4 | 2 | 4 | 1 | 1 |
| QD | 15 | 3 | 69 | 12 | 6 | 3 | 26 | 12 | 1 | 0 | 5 | 1 | 0 | 0 | 0 | 0 |
| R | 106 | 17 | 44 | 7 | 116 | 17 | 48 | 7 | 18 | 9 | 7 | 4 | 0 | 0 | 0 | 0 |
| RA | 21 | 3 | 100 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

^aLicenses for the unlimited quota hunt were valid only on private lands in the southern Michigan zone (Figure 1).

Table 3 (continued). Estimated number and proportion of hunters hunting on private and public lands during the spring 2004 Michigan turkey hunting season.

| Management unit | Private land only | | | | Public land only | | | | Both private and public lands | | | | Unknown land | | | |
|---|-------------------|--------|-----|--------|------------------|--------|----|--------|-------------------------------|--------|----|--------|--------------|--------|---|--------|
| | Total | 95% CL | % | 95% CL | Total | 95% CL | % | 95% CL | Total | 95% CL | % | 95% CL | Total | 95% CL | % | 95% CL |
| Hunt periods with quotas | | | | | | | | | | | | | | | | |
| S | 79 | 6 | 93 | 4 | 3 | 2 | 3 | 2 | 3 | 2 | 4 | 3 | 0 | 0 | 0 | 0 |
| T | 441 | 72 | 39 | 6 | 615 | 75 | 54 | 6 | 69 | 33 | 6 | 3 | 12 | 15 | 1 | 1 |
| U | 398 | 55 | 52 | 7 | 293 | 51 | 38 | 6 | 81 | 32 | 10 | 4 | 0 | 0 | 0 | 0 |
| UA | 323 | 47 | 49 | 7 | 231 | 44 | 35 | 6 | 97 | 32 | 15 | 5 | 4 | 7 | 1 | 1 |
| UB | 64 | 7 | 60 | 6 | 30 | 6 | 28 | 6 | 10 | 4 | 9 | 4 | 3 | 2 | 3 | 2 |
| V | 431 | 69 | 40 | 6 | 535 | 72 | 50 | 6 | 113 | 43 | 10 | 4 | 0 | 0 | 0 | 0 |
| W | 377 | 35 | 77 | 6 | 82 | 25 | 17 | 5 | 33 | 17 | 7 | 3 | 0 | 0 | 0 | 0 |
| X | 307 | 63 | 29 | 6 | 659 | 70 | 63 | 6 | 76 | 35 | 7 | 3 | 6 | 10 | 1 | 1 |
| Y | 210 | 44 | 30 | 6 | 427 | 48 | 60 | 7 | 53 | 25 | 8 | 4 | 17 | 15 | 2 | 2 |
| Z | 163 | 23 | 55 | 7 | 109 | 21 | 37 | 7 | 24 | 12 | 8 | 4 | 0 | 0 | 0 | 0 |
| ZA | 119 | 26 | 26 | 6 | 279 | 30 | 62 | 6 | 44 | 17 | 10 | 4 | 9 | 8 | 2 | 2 |
| Subtotal | 15,469 | 502 | 55 | 2 | 9,873 | 446 | 35 | 2 | 2,791 | 310 | 10 | 1 | 197 | 74 | 1 | 0 |
| Hunt period 301 with quota (Management Unit ZZ; April 19-May 2, 2004) | | | | | | | | | | | | | | | | |
| L | 1,626 | 130 | 100 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| P | 612 | 82 | 100 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| PB | 1,042 | 105 | 100 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Q | 1,718 | 132 | 100 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| QB | 322 | 59 | 100 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| QD | 69 | 28 | 100 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| R | 1,283 | 116 | 100 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

^aLicenses for the unlimited quota hunt were valid only on private lands in the southern Michigan zone (Figure 1).

Table 3 (continued). Estimated number and proportion of hunters hunting on private and public lands during the spring 2004 Michigan turkey hunting season.

| Management unit | Private land only | | | | Public land only | | | | Both private and public lands | | | | Unknown land | | | |
|---|-------------------|--------|-------|--------|------------------|--------|-------|--------|-------------------------------|--------|-------|--------|--------------|--------|-------|--------|
| | Total | 95% CL | 95% % | 95% CL | Total | 95% CL | 95% % | 95% CL | Total | 95% CL | 95% % | 95% CL | Total | 95% CL | 95% % | 95% CL |
| Hunt period 301 with quota (Management Unit ZZ; April 19-May 2, 2004) | | | | | | | | | | | | | | | | |
| RA | 963 | 101 | 100 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| S | 2,766 | 166 | 100 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| T | 2,689 | 164 | 100 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| U | 1,273 | 116 | 100 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| UA | 721 | 88 | 100 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| UB | 787 | 92 | 100 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| W | 1,434 | 122 | 100 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| X | 1,832 | 137 | 100 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Y | 1,135 | 109 | 100 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Z | 1,745 | 132 | 100 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ZA | 1,133 | 109 | 100 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Unknown | 1,134 | 112 | 100 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Subtotal | 23,272 | 153 | 100 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Unlimited quota hunt period (Hunt 234; May 3-31, 2004) | | | | | | | | | | | | | | | | |
| A | 341 | 90 | 87 | 9 | 30 | 27 | 8 | 7 | 22 | 24 | 6 | 6 | 0 | 0 | 0 | 0 |
| AA | 165 | 62 | 41 | 12 | 186 | 67 | 46 | 12 | 53 | 36 | 13 | 8 | 0 | 0 | 0 | 0 |
| B | 320 | 87 | 78 | 10 | 75 | 43 | 18 | 9 | 15 | 19 | 4 | 5 | 0 | 0 | 0 | 0 |
| E | 1,701 | 200 | 73 | 5 | 447 | 103 | 19 | 4 | 160 | 62 | 7 | 3 | 0 | 0 | 0 | 0 |
| F | 414 | 100 | 60 | 9 | 201 | 68 | 29 | 8 | 69 | 41 | 10 | 6 | 7 | 14 | 1 | 2 |
| H | 382 | 95 | 31 | 6 | 736 | 133 | 60 | 7 | 94 | 47 | 8 | 4 | 15 | 19 | 1 | 2 |

^aLicenses for the unlimited quota hunt were valid only on private lands in the southern Michigan zone (Figure 1).

Table 3 (continued). Estimated number and proportion of hunters hunting on private and public lands during the spring 2004 Michigan turkey hunting season.

| Manage- ment unit | Private land only | | | | Public land only | | | | Both private and public lands | | | | Unknown land | | | |
|--|-------------------|-----------|----------|-----------|------------------|-----------|----------|-----------|----------------------------------|-----------|----------|-----------|--------------|-----------|----------|-----------|
| | Total | 95% CL | 95% % | 95% CL | Total | 95% CL | 95% % | 95% CL | Total | 95% CL | 95% % | 95% CL | Total | 95% CL | 95% % | 95% CL |
| Unlimited quota hunt period (Hunt 234; May 3-31, 2004) | | | | | | | | | | | | | | | | |
| J | 1,035 | 155 | 60 | 6 | 409 | 98 | 24 | 5 | 245 | 77 | 14 | 4 | 22 | 24 | 1 | 1 |
| K | 5,597 | 348 | 64 | 3 | 2,147 | 223 | 24 | 2 | 992 | 153 | 11 | 2 | 52 | 36 | 1 | 0 |
| L ^a | 1,955 | 213 | 100 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| M | 162 | 62 | 71 | 14 | 41 | 30 | 18 | 12 | 25 | 24 | 11 | 10 | 0 | 0 | 0 | 0 |
| MA | 78 | 43 | 56 | 21 | 37 | 30 | 27 | 19 | 16 | 19 | 12 | 13 | 7 | 14 | 5 | 10 |
| N | 295 | 83 | 68 | 11 | 93 | 47 | 21 | 10 | 40 | 30 | 9 | 7 | 7 | 14 | 2 | 3 |
| O | 305 | 86 | 67 | 11 | 102 | 49 | 22 | 10 | 48 | 33 | 11 | 7 | 0 | 0 | 0 | 0 |
| P ^a | 727 | 132 | 100 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| PB ^a | 608 | 120 | 100 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Q ^a | 1,486 | 188 | 100 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| QB ^a | 326 | 89 | 100 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| QD ^a | 105 | 51 | 100 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| R ^a | 1,344 | 178 | 100 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| RA ^a | 1,092 | 161 | 100 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| S ^a | 2,060 | 219 | 100 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| T ^a | 2,373 | 235 | 100 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| U | 1,480 | 187 | 95 | 3 | 45 | 33 | 3 | 2 | 22 | 24 | 1 | 2 | 7 | 14 | 0 | 1 |
| UA | 1,148 | 165 | 83 | 5 | 115 | 53 | 8 | 4 | 76 | 43 | 5 | 3 | 37 | 30 | 3 | 2 |
| UB ^a | 712 | 131 | 100 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| V | 705 | 130 | 44 | 6 | 704 | 130 | 44 | 6 | 182 | 67 | 11 | 4 | 7 | 14 | 0 | 1 |

^aLicenses for the unlimited quota hunt were valid only on private lands in the southern Michigan zone (Figure 1).

Table 3 (continued). Estimated number and proportion of hunters hunting on private and public lands during the spring 2004 Michigan turkey hunting season.

| Manage- ment unit | Private land only | | | | Public land only | | | | Both private and public lands | | | | Unknown land | | | |
|--|-------------------|-----------|-----|-----------|------------------|-----------|----|-----------|----------------------------------|-----------|---|-----------|--------------|-----------|---|-----------|
| | Total | 95% CL | % | 95% CL | Total | 95% CL | % | 95% CL | Total | 95% CL | % | 95% CL | Total | 95% CL | % | 95% CL |
| Unlimited quota hunt period (Hunt 234; May 3-31, 2004) | | | | | | | | | | | | | | | | |
| W ^a | 1,537 | 190 | 100 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| X ^a | 1,430 | 183 | 100 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Y ^a | 1,265 | 173 | 100 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Z ^a | 1,854 | 207 | 100 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ZA ^a | 1,275 | 174 | 100 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Unknown | 1,374 | 182 | 83 | 5 | 142 | 59 | 9 | 3 | 60 | 39 | 4 | 2 | 75 | 43 | 5 | 3 |
| Subtotal | 32,841 | 558 | 81 | 1 | 4,484 | 314 | 11 | 1 | 2,846 | 254 | 7 | 1 | 232 | 76 | 1 | 0 |
| Statewide ^b | 71,582 | 765 | 78 | 1 | 14,357 | 545 | 16 | 1 | 5,638 | 401 | 6 | 0 | 428 | 106 | 0 | 0 |

^aLicenses for the unlimited quota hunt were valid only on private lands in the southern Michigan zone (Figure 1).

^bNumber of hunters does not add up to statewide total because hunters can hunt in more than one unit for the unlimited quota hunt.

Table 4. How hunters rated their hunting experience during the spring 2004 Michigan turkey hunting season.

| Management unit | Satisfaction level (% of hunters) ^a | | | | | |
|--------------------------|--|-----------|------|------|------|-----------|
| | Excellent | Very good | Good | Fair | Poor | No answer |
| Hunt periods with quotas | | | | | | |
| A | 19 | 22 | 23 | 19 | 15 | 1 |
| AA | 5 | 12 | 21 | 20 | 41 | 1 |
| B | 13 | 15 | 25 | 21 | 26 | 1 |
| E | 17 | 20 | 23 | 23 | 15 | 3 |
| F | 13 | 16 | 25 | 19 | 25 | 1 |
| H | 15 | 17 | 25 | 20 | 21 | 3 |
| J | 14 | 17 | 28 | 24 | 17 | 1 |
| K | 20 | 21 | 23 | 19 | 15 | 2 |
| L | 15 | 25 | 25 | 18 | 16 | 1 |
| M | 13 | 18 | 23 | 24 | 20 | 1 |
| MA | 12 | 14 | 28 | 23 | 23 | 0 |
| N | 17 | 21 | 26 | 21 | 14 | 1 |
| O | 14 | 23 | 27 | 22 | 13 | 1 |
| P | 22 | 25 | 30 | 12 | 11 | 1 |
| PB | 27 | 9 | 33 | 15 | 14 | 2 |
| Q | 16 | 21 | 29 | 22 | 10 | 2 |
| QB | 18 | 19 | 34 | 19 | 8 | 3 |
| QD | 31 | 13 | 13 | 19 | 24 | 0 |
| R | 25 | 29 | 18 | 15 | 13 | 0 |
| RA | 15 | 15 | 23 | 38 | 8 | 0 |
| S | 12 | 21 | 31 | 20 | 15 | 2 |
| T | 11 | 19 | 31 | 21 | 16 | 2 |
| U | 23 | 17 | 25 | 21 | 12 | 1 |
| UA | 20 | 22 | 21 | 26 | 9 | 1 |
| UB | 19 | 17 | 29 | 25 | 8 | 1 |
| V | 12 | 11 | 24 | 24 | 26 | 3 |
| W | 15 | 18 | 27 | 20 | 14 | 5 |
| X | 19 | 21 | 26 | 18 | 14 | 2 |
| Y | 19 | 22 | 27 | 22 | 9 | 1 |
| Z | 24 | 26 | 22 | 17 | 11 | 0 |
| ZA | 18 | 25 | 24 | 16 | 13 | 4 |
| Mean ^b | 16 | 19 | 25 | 21 | 17 | 2 |

^aRow totals may not equal 100% because of rounding errors.

^bMean satisfaction levels for hunt periods with quotas.

Table 4 (continued). How hunters rated their hunting experience during the spring 2004 Michigan turkey hunting season.

| Management unit | Satisfaction level (% of hunters) ^a | | | | | No answer |
|---|--|-----------|------|------|------|-----------|
| | Excellent | Very good | Good | Fair | Poor | |
| Hunt period 301 with quota (Management Unit ZZ; April 19-May 2, 2004) | | | | | | |
| L | 26 | 22 | 26 | 14 | 9 | 2 |
| P | 28 | 22 | 22 | 20 | 8 | 1 |
| PB | 25 | 29 | 23 | 14 | 7 | 1 |
| Q | 27 | 21 | 27 | 16 | 7 | 2 |
| QB | 28 | 16 | 28 | 14 | 14 | 0 |
| QD | 41 | 6 | 19 | 17 | 6 | 12 |
| R | 26 | 24 | 26 | 16 | 5 | 3 |
| RA | 28 | 21 | 26 | 16 | 7 | 3 |
| S | 25 | 26 | 26 | 14 | 9 | 2 |
| T | 23 | 21 | 26 | 19 | 10 | 2 |
| U | 26 | 28 | 23 | 13 | 8 | 3 |
| UA | 25 | 32 | 26 | 14 | 4 | 0 |
| UB | 20 | 28 | 32 | 13 | 5 | 2 |
| W | 24 | 22 | 26 | 18 | 9 | 2 |
| X | 27 | 25 | 23 | 16 | 8 | 2 |
| Y | 27 | 25 | 28 | 13 | 6 | 1 |
| Z | 26 | 28 | 24 | 12 | 9 | 1 |
| ZA | 28 | 24 | 26 | 14 | 7 | 1 |
| Unknown | 16 | 24 | 24 | 22 | 12 | 2 |
| Mean ^b | 25 | 24 | 25 | 15 | 8 | 2 |

^aRow totals may not equal 100% because of rounding errors.

^bMean satisfaction levels for Hunt 301.

Table 4 (continued). How hunters rated their hunting experience during the spring 2004 Michigan turkey hunting season.

| Management unit | Satisfaction level (% of hunters) ^a | | | | | |
|--|--|-----------|------|------|------|-----------|
| | Excellent | Very good | Good | Fair | Poor | No answer |
| Unlimited quota hunt period (Hunt 234; May 6-31, 2004) | | | | | | |
| A | 12 | 12 | 26 | 27 | 14 | 10 |
| AA | 2 | 13 | 26 | 19 | 34 | 6 |
| B | 4 | 21 | 24 | 35 | 15 | 0 |
| E | 16 | 15 | 26 | 21 | 19 | 2 |
| F | 9 | 15 | 23 | 25 | 24 | 3 |
| H | 6 | 12 | 25 | 27 | 30 | 1 |
| J | 13 | 20 | 28 | 22 | 14 | 2 |
| K | 14 | 19 | 28 | 21 | 17 | 2 |
| L | 22 | 21 | 29 | 18 | 8 | 2 |
| M | 10 | 31 | 14 | 33 | 8 | 3 |
| MA | 0 | 18 | 12 | 22 | 49 | 0 |
| N | 11 | 16 | 22 | 28 | 21 | 2 |
| O | 10 | 18 | 25 | 30 | 13 | 3 |
| P | 23 | 15 | 27 | 19 | 10 | 7 |
| PB | 20 | 20 | 29 | 11 | 14 | 6 |
| Q | 19 | 18 | 29 | 18 | 13 | 2 |
| QB | 28 | 14 | 21 | 23 | 14 | 0 |
| QD | 36 | 14 | 29 | 14 | 7 | 0 |
| R | 24 | 18 | 27 | 21 | 8 | 1 |
| RA | 27 | 20 | 28 | 14 | 10 | 1 |
| S | 21 | 23 | 28 | 15 | 12 | 1 |
| T | 18 | 20 | 26 | 20 | 14 | 2 |
| U | 24 | 20 | 23 | 21 | 10 | 2 |
| UA | 16 | 26 | 30 | 15 | 10 | 3 |
| UB | 16 | 22 | 28 | 22 | 9 | 3 |
| V | 11 | 12 | 26 | 21 | 27 | 3 |
| W | 19 | 22 | 25 | 18 | 15 | 1 |
| X | 19 | 22 | 31 | 17 | 11 | 1 |
| Y | 17 | 23 | 26 | 20 | 12 | 2 |
| Z | 23 | 21 | 32 | 11 | 10 | 3 |
| ZA | 21 | 21 | 26 | 19 | 10 | 4 |
| Unknown | 15 | 12 | 26 | 19 | 23 | 6 |
| Mean ^b | 17 | 19 | 27 | 19 | 15 | 2 |
| Statewide ^c | 19 | 20 | 26 | 19 | 14 | 2 |

^aRow totals may not equal 100% because of rounding errors.

^bMean satisfaction levels for Hunt 234.

^cStatewide mean satisfaction levels (all hunts and periods).

Table 5. Estimated amount of hunter interference experienced by turkey hunters during the spring 2004 Michigan turkey hunting season.

| Management unit | Interference level (% of hunters) ^a | | | | |
|--------------------------|--|-------|-----------------|---------------|-----------|
| | None | Minor | Some irritation | Major problem | No answer |
| Hunt periods with quotas | | | | | |
| A | 68 | 20 | 7 | 2 | 2 |
| AA | 69 | 18 | 9 | 3 | 1 |
| B | 72 | 18 | 7 | 3 | 0 |
| E | 73 | 18 | 7 | 0 | 2 |
| F | 68 | 24 | 5 | 1 | 1 |
| H | 63 | 22 | 11 | 3 | 1 |
| J | 62 | 27 | 9 | 2 | 1 |
| K | 64 | 26 | 5 | 2 | 2 |
| L | 42 | 41 | 12 | 4 | 1 |
| M | 65 | 23 | 7 | 3 | 1 |
| MA | 61 | 19 | 16 | 4 | 0 |
| N | 60 | 29 | 9 | 2 | 1 |
| O | 68 | 24 | 7 | 0 | 1 |
| P | 57 | 29 | 13 | 1 | 0 |
| PB | 62 | 25 | 8 | 3 | 3 |
| Q | 63 | 26 | 8 | 2 | 1 |
| QB | 53 | 35 | 7 | 2 | 3 |
| QD | 63 | 13 | 11 | 6 | 6 |
| R | 68 | 19 | 10 | 2 | 0 |
| RA | 54 | 23 | 15 | 8 | 0 |
| S | 73 | 13 | 5 | 7 | 2 |
| T | 66 | 24 | 7 | 1 | 2 |
| U | 66 | 24 | 8 | 2 | 1 |
| UA | 54 | 25 | 13 | 7 | 1 |
| UB | 67 | 19 | 7 | 5 | 1 |
| V | 72 | 19 | 6 | 2 | 2 |
| W | 66 | 15 | 14 | 0 | 4 |
| X | 59 | 28 | 9 | 3 | 2 |
| Y | 53 | 32 | 12 | 2 | 2 |
| Z | 70 | 23 | 5 | 2 | 0 |
| ZA | 53 | 27 | 16 | 2 | 3 |
| Mean ^b | 64 | 24 | 8 | 2 | 1 |

^aRow totals may not equal 100% because of rounding errors.

^bMean interference levels for hunt periods with quotas.

Table 5 (continued). Estimated amount of hunter interference experienced by turkey hunters during the spring 2004 Michigan turkey hunting season.

| Management unit | Interference level (% of hunters) ^a | | | | |
|---|--|-------|-----------------|---------------|-----------|
| | None | Minor | Some irritation | Major problem | No answer |
| Hunt period 301 with quota (Management Unit ZZ; April 19-May 2, 2004) | | | | | |
| L | 62 | 24 | 10 | 3 | 2 |
| P | 63 | 26 | 10 | 1 | 1 |
| PB | 62 | 25 | 10 | 3 | 1 |
| Q | 67 | 21 | 8 | 2 | 2 |
| QB | 73 | 14 | 10 | 3 | 0 |
| QD | 71 | 0 | 23 | 0 | 6 |
| R | 62 | 27 | 8 | 1 | 2 |
| RA | 58 | 23 | 13 | 3 | 3 |
| S | 64 | 22 | 11 | 3 | 1 |
| T | 63 | 26 | 8 | 2 | 1 |
| U | 66 | 23 | 6 | 2 | 3 |
| UA | 60 | 25 | 15 | 1 | 0 |
| UB | 54 | 30 | 13 | 2 | 2 |
| W | 72 | 19 | 7 | 1 | 2 |
| X | 65 | 22 | 10 | 2 | 1 |
| Y | 70 | 21 | 8 | 0 | 1 |
| Z | 66 | 23 | 9 | 1 | 1 |
| ZA | 67 | 21 | 9 | 1 | 2 |
| Unknown | 67 | 17 | 11 | 2 | 3 |
| Mean ^b | 65 | 23 | 9 | 2 | 2 |

^aRow totals may not equal 100% because of rounding errors.

^bMean interference levels for Hunt 301.

Table 5 (continued). Estimated amount of hunter interference experienced by turkey hunters during the spring 2004 Michigan turkey hunting season.

| Management unit | Interference level (% of hunters) ^a | | | | |
|--|--|-------|-----------------|---------------|-----------|
| | None | Minor | Some irritation | Major problem | No answer |
| Unlimited quota hunt period (Hunt 234; May 6-31, 2004) | | | | | |
| A | 69 | 17 | 8 | 0 | 6 |
| AA | 66 | 19 | 9 | 2 | 4 |
| B | 79 | 16 | 4 | 2 | 0 |
| E | 74 | 15 | 8 | 2 | 2 |
| F | 69 | 22 | 6 | 1 | 1 |
| H | 68 | 20 | 9 | 2 | 1 |
| J | 68 | 18 | 8 | 2 | 3 |
| K | 65 | 22 | 9 | 2 | 1 |
| L | 68 | 19 | 9 | 2 | 2 |
| M | 66 | 24 | 7 | 0 | 3 |
| MA | 88 | 6 | 5 | 0 | 0 |
| N | 78 | 17 | 4 | 0 | 2 |
| O | 70 | 22 | 5 | 0 | 3 |
| P | 56 | 21 | 10 | 5 | 7 |
| PB | 65 | 25 | 3 | 1 | 6 |
| Q | 70 | 17 | 9 | 2 | 2 |
| QB | 77 | 19 | 2 | 2 | 0 |
| QD | 71 | 14 | 14 | 0 | 0 |
| R | 69 | 21 | 8 | 1 | 2 |
| RA | 74 | 18 | 5 | 1 | 1 |
| S | 72 | 17 | 9 | 2 | 1 |
| T | 73 | 18 | 6 | 1 | 1 |
| U | 70 | 21 | 6 | 1 | 1 |
| UA | 66 | 19 | 11 | 2 | 3 |
| UB | 62 | 24 | 10 | 1 | 3 |
| V | 68 | 20 | 7 | 3 | 2 |
| W | 73 | 20 | 4 | 1 | 1 |
| X | 69 | 20 | 9 | 1 | 1 |
| Y | 72 | 17 | 8 | 1 | 2 |
| Z | 67 | 21 | 6 | 2 | 3 |
| ZA | 68 | 21 | 6 | 1 | 4 |
| Unknown | 65 | 19 | 10 | 2 | 5 |
| Mean ^b | 69 | 19 | 8 | 2 | 2 |
| Statewide ^c | 67 | 22 | 8 | 2 | 2 |

^aRow totals may not equal 100% because of rounding errors.

^bMean interference levels for Hunt 234.

^cStatewide mean interference levels (all hunts and periods).

Table 6. Estimated number of hunting efforts, hunters, hunting success, noninterfered hunters, and hunter rating of the 2004 spring turkey hunting season, by hunt periods.

| Variable | Hunt periods beginning | | | | | | | | All periods ^a | |
|--|------------------------|--------|----------|--------|----------|--------|----------|--------|--------------------------|--------|
| | April 19 | | April 26 | | May 3 | | May 10 | | | |
| | Estimate | 95% CL | Estimate | 95% CL | Estimate | 95% CL | Estimate | 95% CL | Estimate | 95% CL |
| Hunting efforts (days) | 149,425 | 2,839 | 35,580 | 2,252 | 224,353 | 5,424 | 10,563 | 1,044 | 419,920 | 6,203 |
| Number of hunters | 38,141 | 508 | 9,909 | 473 | 42,064 | 512 | 1,891 | 134 | 92,005 | 594 |
| Successful hunters (n) | 17,652 | 485 | 3,269 | 350 | 15,896 | 518 | 706 | 86 | 37,522 | 756 |
| Successful hunters (%) | 46 | 1 | 33 | 3 | 38 | 1 | 37 | 4 | 41 | 1 |
| Noninterfered hunters (n) ^b | 33,432 | 530 | 8,947 | 468 | 37,175 | 554 | 1,641 | 127 | 81,194 | 704 |
| Noninterfered hunters (%) ^b | 88 | 1 | 90 | 2 | 88 | 1 | 87 | 3 | 88 | 1 |
| Favorable rating (n) ^c | 26,706 | 527 | 5,696 | 418 | 26,372 | 579 | 1,253 | 114 | 60,027 | 803 |
| Favorable rating (%) ^c | 70 | 1 | 57 | 3 | 63 | 1 | 66 | 4 | 65 | 1 |

^aRow totals may not equal totals for all periods because of rounding errors.

^bProportion of hunters that indicated that they experienced no or only minor interference from other hunters.

^cHunters rating their hunting experience as excellent, very good, or good.

Table 7. Comparison of the estimated number of hunters, hunting effort, and harvest between 2003 and 2004 in Michigan spring turkey hunting season, summarized by regions.

| Region ^a | Hunters (No.) ^b | | | | | Hunting efforts (days) | | | | | Harvest (No.) | | | | |
|---------------------|----------------------------|--------|--------|--------|------------|------------------------|--------|---------|--------|------------|---------------|--------|--------|--------|------------|
| | 2003 | | 2004 | | Change (%) | 2003 | | 2004 | | Change (%) | 2003 | | 2004 | | Change (%) |
| | Total | 95% CL | Total | 95% CL | | Total | 95% CL | Total | 95% CL | | Total | 95% CL | Total | 95% CL | |
| UP | 3,894 | 171 | 3,912 | 185 | 0 | 14,659 | 1,001 | 15,100 | 1,029 | 3 | 1,431 | 133 | 1,604 | 140 | 12 |
| NLP | 34,767 | 601 | 35,188 | 614 | 1 | 143,497 | 4,122 | 149,503 | 4,567 | 4 | 11,296 | 573 | 12,327 | 574 | 9 |
| SLP | 49,739 | 580 | 52,624 | 601 | 6 | 233,683 | 4,769 | 247,110 | 5,093 | 6 | 20,386 | 482 | 23,311 | 522 | 14 |
| Unknown | 2,019 | 229 | 1,869 | 210 | | 8,692 | 1,190 | 8,208 | 1,193 | | 257 | 75 | 280 | 85 | |
| Total | 88,912 | 590 | 92,005 | 594 | 3 | 400,531 | 5,727 | 419,920 | 6,203 | 5 | 33,369 | 738 | 37,522 | 756 | 12 |

^aRegions included the Upper Peninsula (UP), the northern Lower Peninsula north of Management Unit ZZ (NLP), and Management Unit ZZ in the southern Lower Peninsula (SLP).

^bNumber of hunters did not add up to statewide total because hunters can hunt in more than one unit for the unlimited quota hunt.

Table 8. Comparison of estimated hunter success, hunter satisfaction, and hunt interference between 2003 and 2004 Michigan spring turkey hunting season, summarized by regions.

| Region ^a | Hunter success | | | | | Hunter satisfaction ^b | | | | | Noninterfered hunters ^c | | | | |
|---------------------|----------------|--------|------|--------|---------------------|----------------------------------|--------|------|--------|---------------------|------------------------------------|--------|------|--------|---------------------|
| | 2003 | | 2004 | | Differ- ence (%) | 2003 | | 2004 | | Differ- ence (%) | 2003 | | 2004 | | Differ- ence (%) |
| | % | 95% CL | % | 95% CL | | % | 95% CL | % | 95% CL | | % | 95% CL | % | 95% CL | |
| UP | 37 | 3 | 41 | 3 | 4 | 56 | 3 | 57 | 3 | 1 | 89 | 2 | 90 | 2 | 1 |
| NLP | 32 | 2 | 35 | 2 | 3 | 52 | 2 | 59 | 2 | 7 | 88 | 1 | 89 | 1 | 1 |
| SLP | 41 | 1 | 44 | 1 | 3 | 69 | 1 | 71 | 1 | 2 | 86 | 1 | 88 | 1 | 2 |
| Total | 38 | 1 | 41 | 1 | 3 | 61 | 1 | 65 | 1 | 4 | 86 | 1 | 88 | 1 | 2 |

^aRegions included the Upper Peninsula (UP), the northern Lower Peninsula north of Management Unit ZZ (NLP), and Management Unit ZZ in the southern Lower Peninsula (SLP).

^bHunters rating their hunting experience as excellent, very good, or good.

^cProportion of hunters that indicated that they experienced no or only minor interference from other hunters.

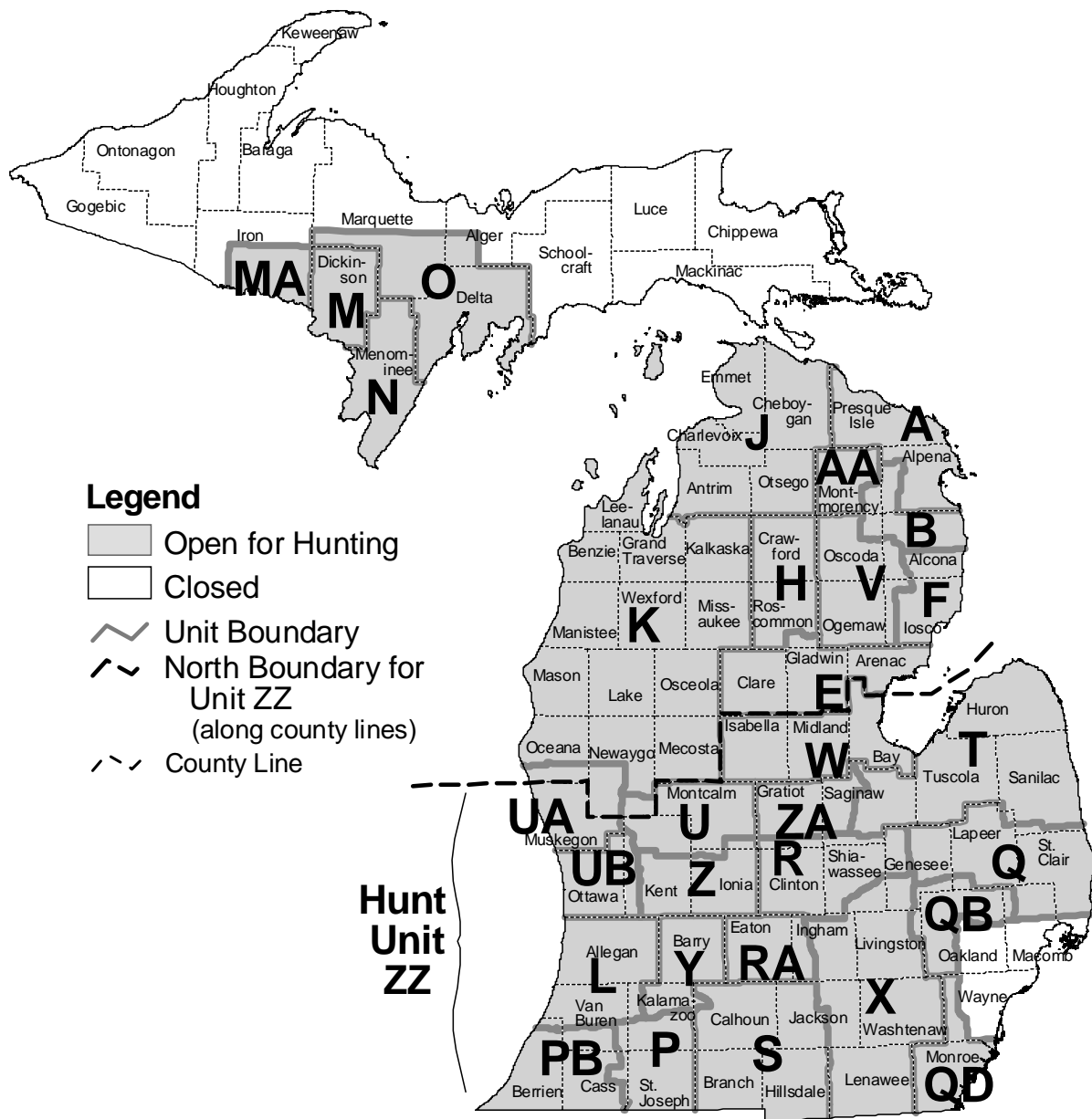


Figure 1. Management units in Michigan open to spring turkey hunting in 2004.

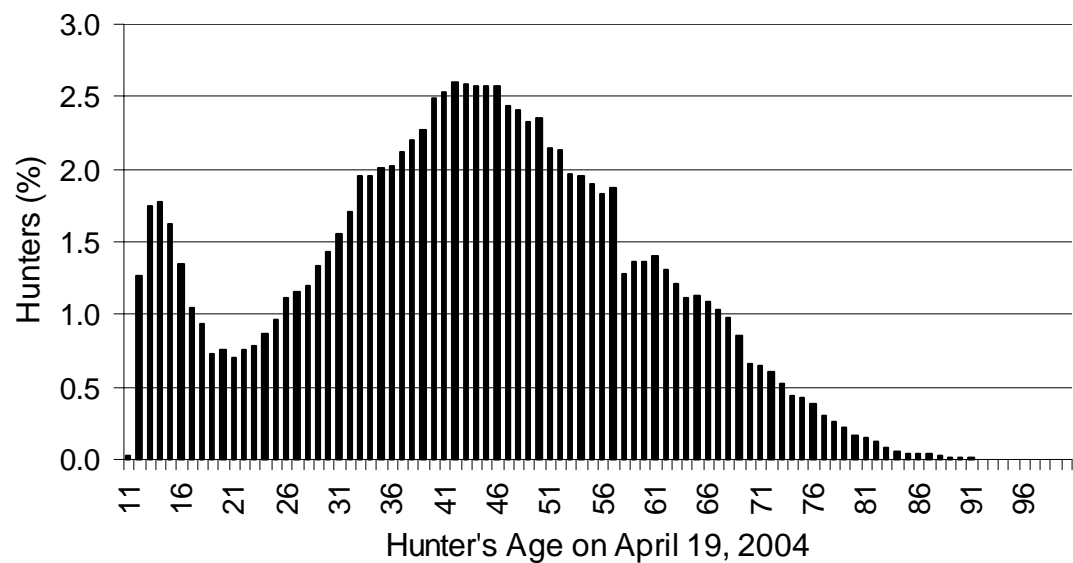


Figure 2. Age of people that purchased a turkey hunting license in Michigan for the 2004 spring hunting season (\bar{x} = 43 years). Licenses were purchased by 110,617 people.

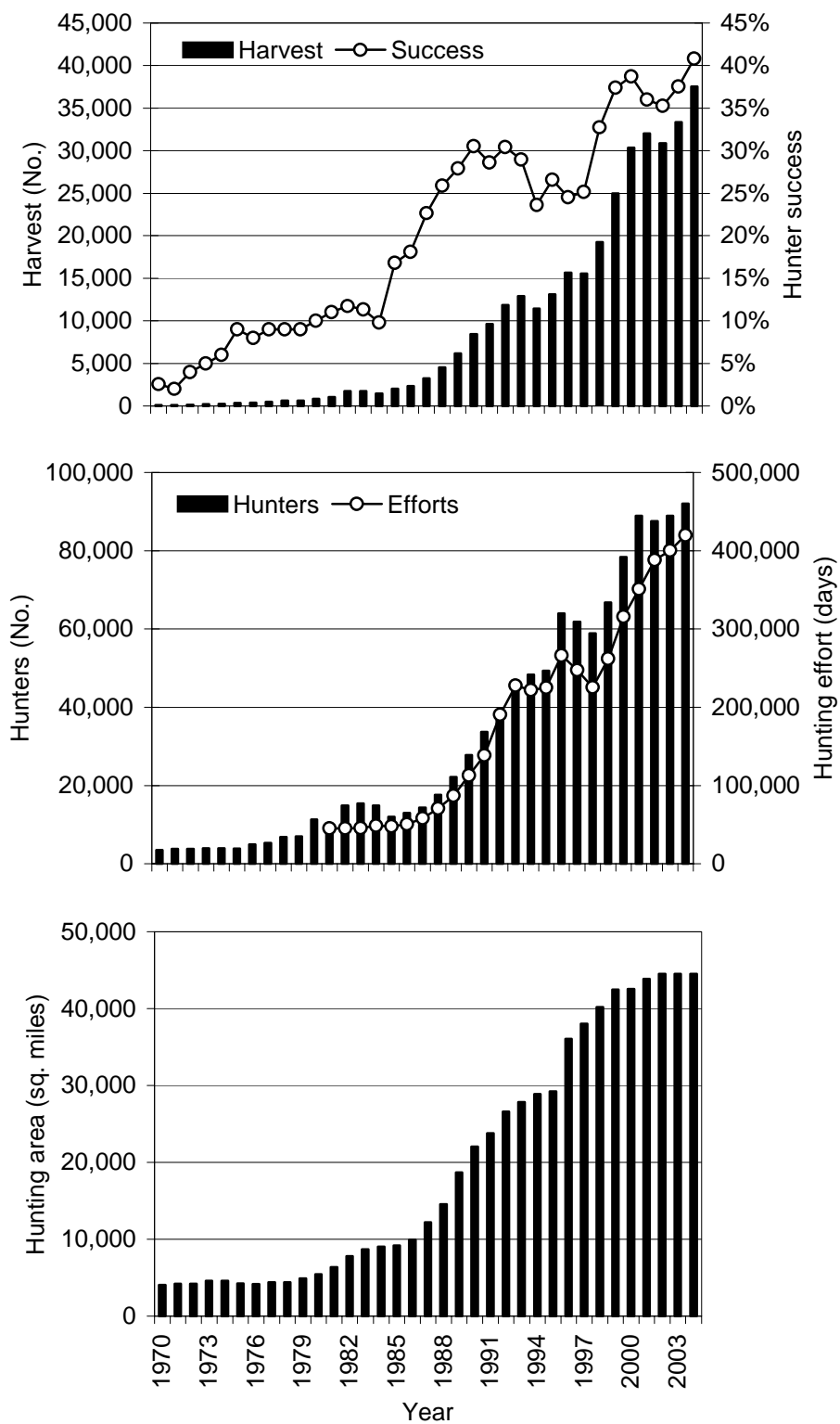


Figure 3. Estimated number of hunters, harvest, hunting efforts, and hunting success during the spring turkey hunting season, 1970-2004. Estimates of hunting effort generally were not available before 1981.

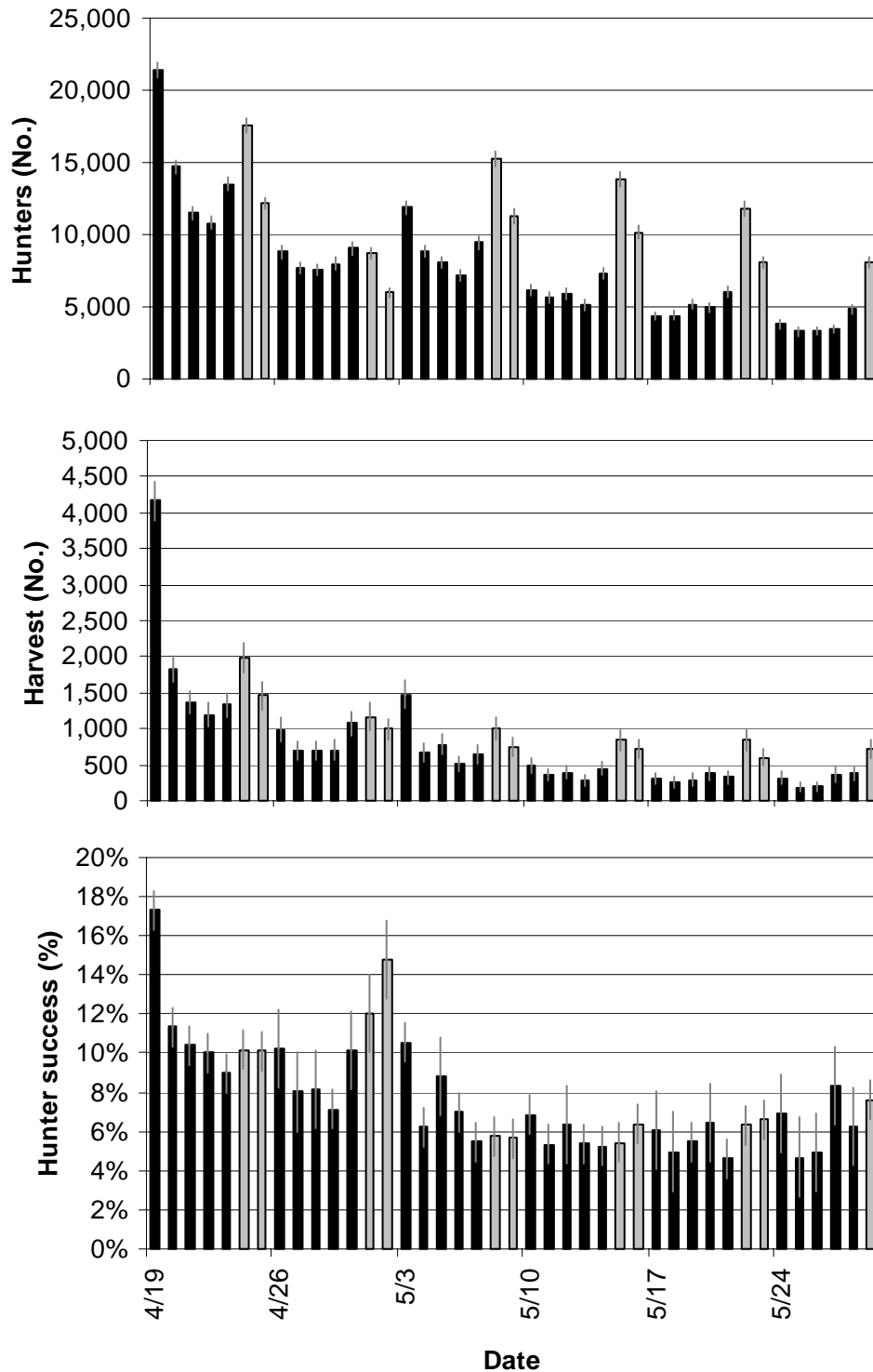


Figure 4. Estimated number of hunters, harvest, and hunter success by date during the 2004 spring turkey hunting season (includes all hunts). An additional $1,865 \pm 204$ birds were taken on unknown dates. Gray-shaded bars indicate weekends. Vertical bars represent the 95% confidence interval.

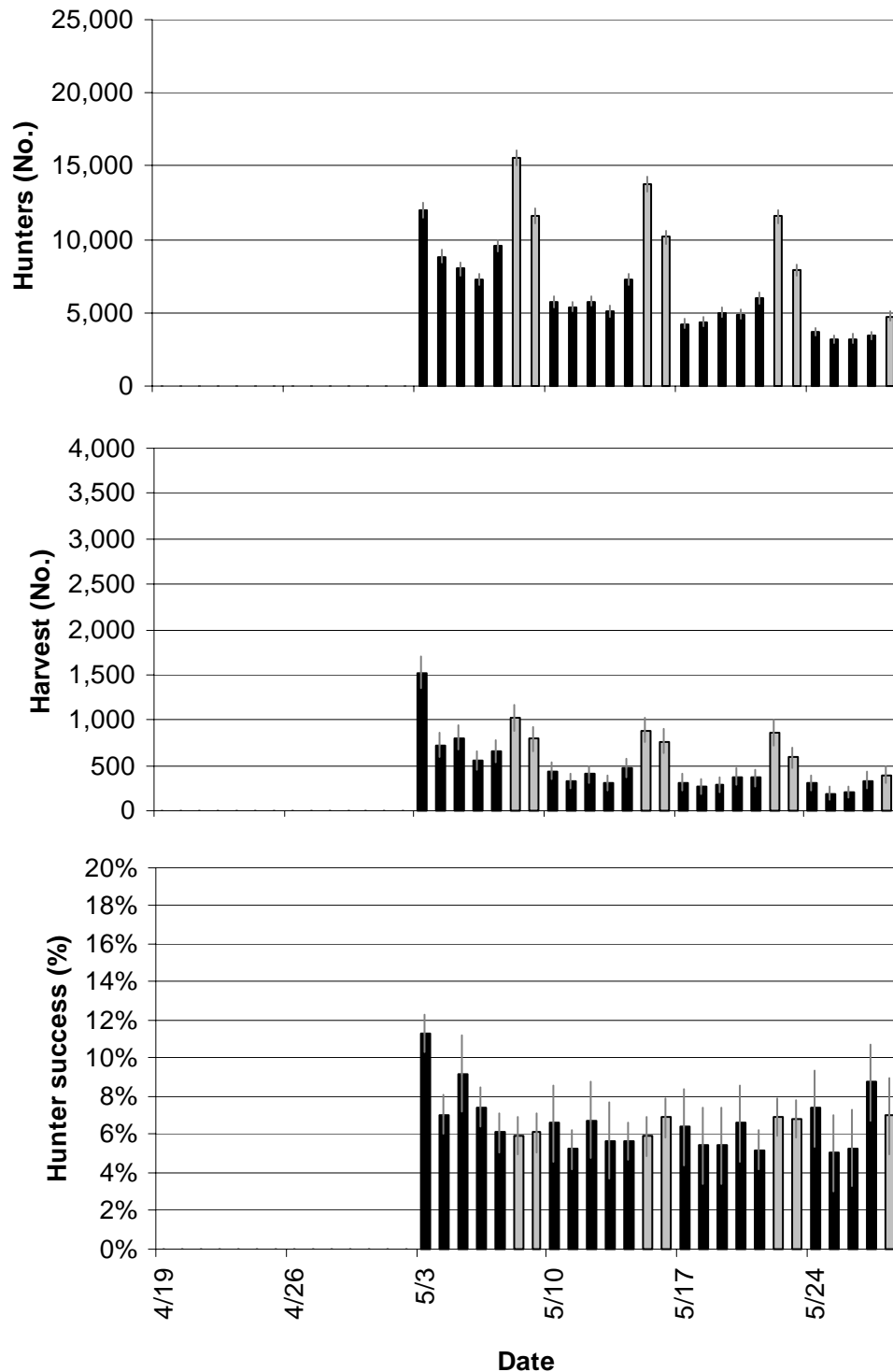


Figure 5. Estimated number of hunters, harvest, and hunter success by date during Hunt 234 of the 2004 spring turkey hunting season (May 3-31). An additional 898 ± 147 birds were taken on unknown dates. Gray-shaded bars indicate weekends. Vertical bars represent the 95% confidence interval.

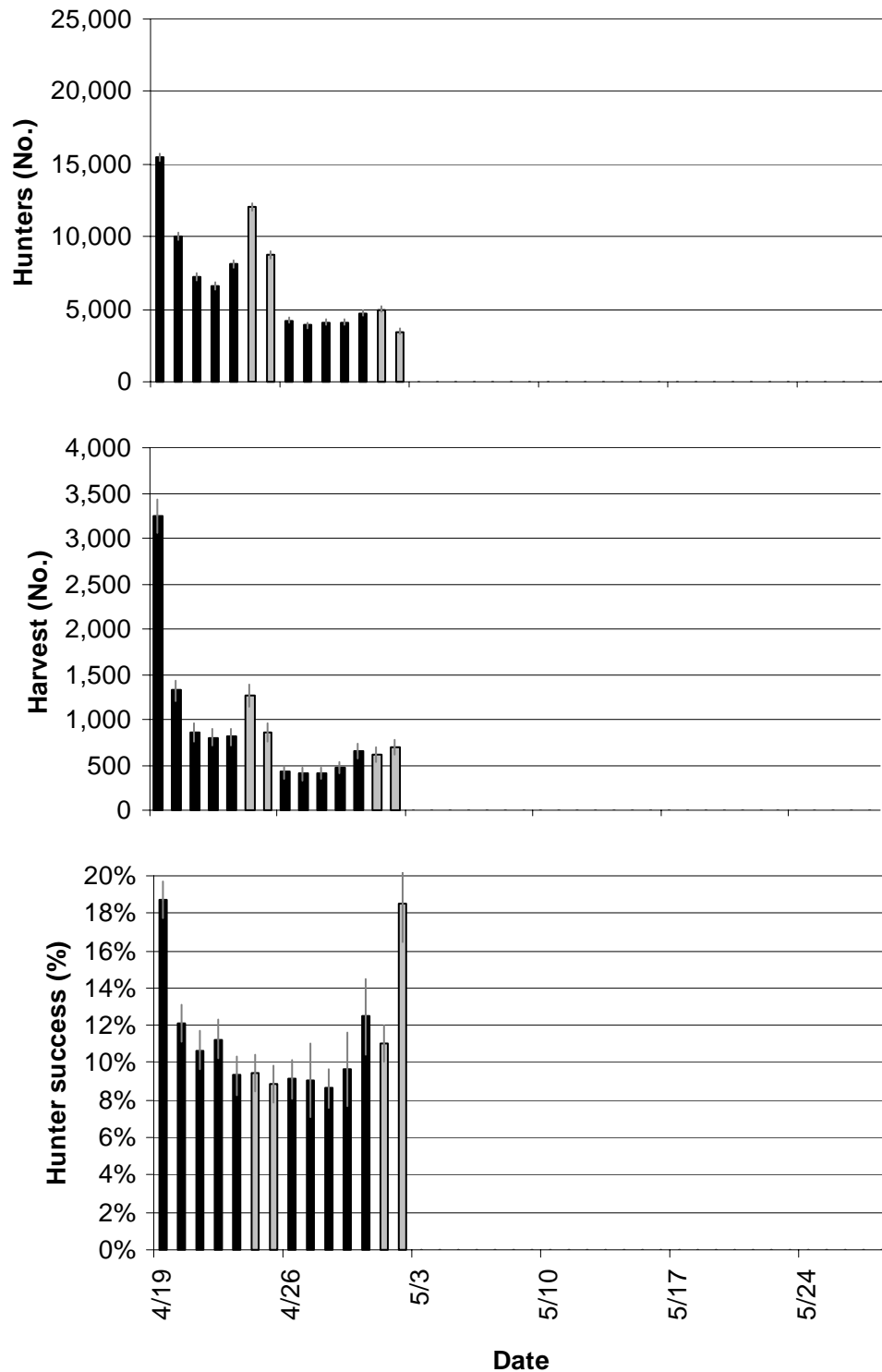


Figure 6. Estimated number of hunters, harvest, and hunter success by date during Hunt 301 of the 2004 spring turkey hunting season (April 19-May 2). An additional 672 ± 87 birds were taken on unknown dates. Gray-shaded bars indicate weekends. Vertical bars represent the 95% confidence interval.

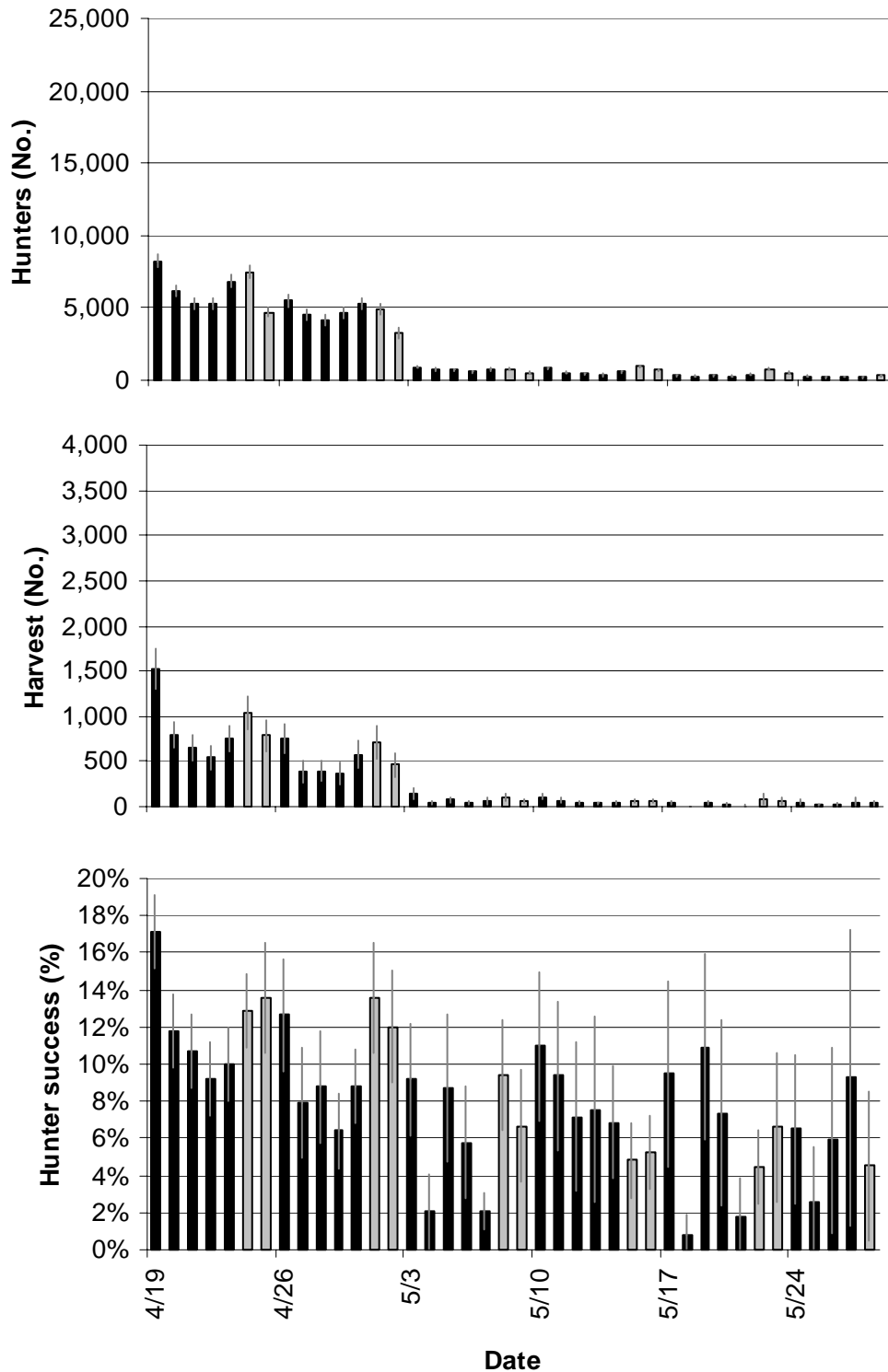


Figure 7. Estimated number of hunters, harvest, and hunter success by date during all hunts except hunts 234 and 301 of the 2004 spring turkey hunting season. An additional 318 ± 113 birds were taken on unknown dates. Gray-shaded bars indicate weekends. Vertical bars represent the 95% confidence interval.

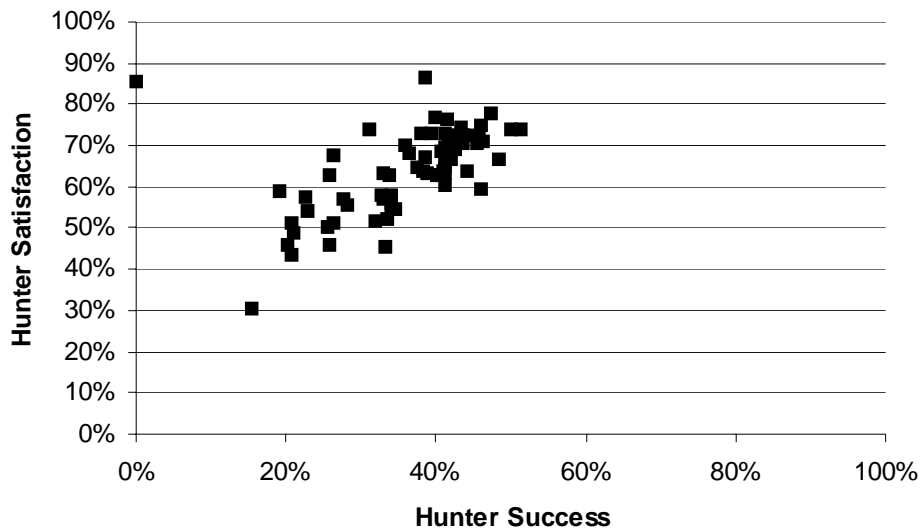


Figure 8. Relationship between hunter satisfaction (expressed as the percentage of hunters rating their hunting experience as excellent, very good, or good) and hunter success for each of 73 counties in Michigan during the 2004 spring turkey hunting season.

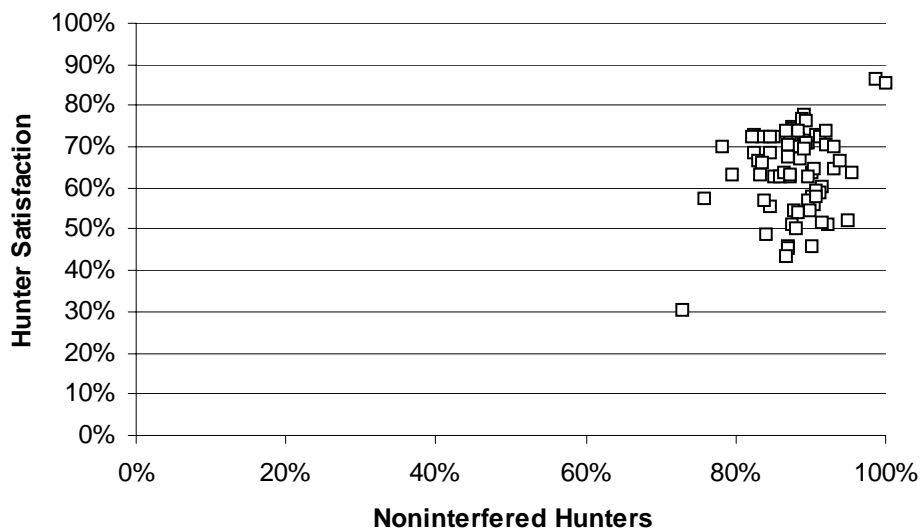


Figure 9. Relationship between hunter satisfaction (expressed as the percentage of hunters rating their hunting experience as excellent, very good, or good) and hunter interference for each of 73 counties in Michigan during the 2004 spring turkey hunting season. Noninterfered hunters were the proportion of hunters that indicated that they experienced no or only minor interference from other hunters.